

10/730,010

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(FILE 'HOME' ENTERED AT 11:15:10 ON 03 DEC 2004)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 11:15:34 ON 03 DEC 2004

L1 1259834 S KINASE?  
L2 418869 S SERINE OR THREONINE  
L3 100978 S L1 AND L2  
L4 41255 S HUMAN AND L3  
L5 6819123 S CLON? OR EXPRESS? OR RECOMBINANT  
L6 24103 S L4 AND L5  
L7 260007 S (LUNG(A) CARCINOMA) OR PLACENTA  
L8 455 S L6 AND L7  
L9 41255 S HUMAN (A)L3  
L10 455 S L8 AND L9  
L11 12930 S "CHROMOSOME 13"  
L12 2 S L10 AND L11  
L13 2 DUP REM L12 (0 DUPLICATES REMOVED)  
L14 24103 S L6 AND L9  
L15 241 DUP REM L8 (214 DUPLICATES REMOVED)  
E WEBSTER M/AU  
L16 831 S E3  
E YAN C/AU  
L17 1071 S E3  
E DIFRANCESCO V/AU  
L18 116 S E3-E4  
E BEASLEY E/AU  
L19 29 S E3  
L20 2020 S L16 OR L17 OR L18 OR L19  
L21 12 S L4 AND L20  
L22 11 DUP REM L21 (1 DUPLICATE REMOVED)

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and SOLIDSTATE reloads  
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NEWS 11 DEC 01 LISA now available on STN  
  
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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
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=> file medline embase biosis biotechds scisearch hcaplus ntis lifesci		
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	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

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=> s kinase?

L1 1259834 KINASE?

=> s serine or threonine

L2 418869 SERINE OR THREONINE

=> s l1 and l2

L3 100978 L1 AND L2

=> s human and l3

L4 41255 HUMAN AND L3

=> s clon? or express? or recombinant

4 FILES SEARCHED...

L5 6819123 CLON? OR EXPRESS? OR RECOMBINANT

=> s l4 and l5

L6 24103 L4 AND L5

=> s (lung(a) carcinoma) or placenta

L7 260007 (LUNG(A) CARCINOMA) OR PLACENTA

=> s l6 and l7

L8 455 L6 AND L7

=> dup rem l8

<-----User Break----->

=> s human (a)l3

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'HUMAN (A)L19'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'HUMAN (A)L20'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'HUMAN (A)L21'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'HUMAN (A)L22'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'HUMAN (A)L23'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'HUMAN (A)L24'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'HUMAN (A)L25'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'HUMAN (A)L26'  
L9 41255 HUMAN (A) L3

=> s l8 and l9  
L10 455 L8 AND L9

=> d his

(FILE 'HOME' ENTERED AT 11:15:10 ON 03 DEC 2004)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 11:15:34 ON 03 DEC 2004

L1 1259834 S KINASE?  
L2 418869 S SERINE OR THREONINE  
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L5 6819123 S CLON? OR EXPRESS? OR RECOMBINANT  
L6 24103 S L4 AND L5  
L7 260007 S (LUNG(A) CARCINOMA) OR PLACENTA  
L8 455 S L6 AND L7  
L9 41255 S HUMAN (A)L3  
L10 455 S L8 AND L9

=> s "chromosome 13"  
L11 12930 "CHROMOSOME 13"

=> s l10 and l11  
L12 2 L10 AND L11

=> dup rem l12  
PROCESSING COMPLETED FOR L12  
L13 2 DUP REM L12 (0 DUPLICATES REMOVED)

=> d 1-2 ibib ab

L13 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2002:793831 HCAPLUS  
DOCUMENT NUMBER: 137:305800  
TITLE: Protein, gene and cDNA sequences of a novel  
human protein kinase related to  
serine/threonine kinase  
and their uses in drug screening  
INVENTOR(S): Webster, Marion; Yan, Chunhua; Di Francesco,  
Valentina; Beasley, Ellen M.  
PATENT ASSIGNEE(S): PE Corporation (NY), USA  
SOURCE: PCT Int. Appl., 101 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002081727	A2	20021017	WO 2002-US10156	20020402
WO 2002081727	A3	20030710		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,  
UA, UG, US, UZ, VN, YU, ZA, ZM, ZW



RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 6500656	B1	20021231	US 2001-873404	20010605
CA 2443685	AA	20021017	CA 2002-2443685	20020402
EP 1385865	A2	20040204	EP 2002-763884	20020402

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

PRIORITY APPLN. INFO.:  
US 2001-824583 A 20010403  
US 2001-873404 A 20010605  
WO 2002-US10156 W 20020402

AB The invention provides protein, cDNA and genomic sequences for a novel **human protein kinase related to serine/threonine kinase**. Specifically, a virtual northern blot shows **serine/threonine kinase gene expression in lung carcinoma and placenta**. Thirty three single nucleotide polymorphism has been found on **serine/threonine kinase gene** that has been mapped to **chromosome 13**. The invention also relates to screening modulator of **serine/threonine kinase** and use them in therapy. The invention further relates to methods, vector and hosts for **expression of serine/threonine kinase**.

L13 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:37537 HCAPLUS

DOCUMENT NUMBER: 136:292162

TITLE: RGC-32 increases p34CDC2 kinase activity and entry of aortic smooth muscle cells into S-phase

AUTHOR(S): Badea, Tudor; Niculescu, Florin; Soane, Lucian; Fosbrink, Matthew; Sorana, Hila; Rus, Violeta; Shin, Moon L.; Rus, Horea

CORPORATE SOURCE: Department of Pathology, University of Maryland School of Medicine, Baltimore, MD, 21201, USA

SOURCE: Journal of Biological Chemistry (2002), 277(1), 502-508

CODEN: JBCHA3; ISSN: 0021-9258

PUBLISHER: American Society for Biochemistry and Molecular Biology

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Proliferation of aortic smooth muscle cells contributes to atherogenesis and neointima formation. Sublytic activation of complement, particularly C5b-9, induces cell cycle progression in aortic smooth muscle cells. RGC-32 is a novel protein that may promote cell cycle progression in response to complement activation. We **cloned human RGC-32 cDNA** from a **human fetal brain cDNA library**. The **human RGC-32 cDNA** encodes a 117-amino acid protein with 92% similarity to the rat and mouse protein. **Human RGC-32 maps to chromosome 13** and is **expressed** in most tissues. Sublytic complement activation enhanced RGC-32 mRNA **expression in human aortic smooth muscle cells** and induced nuclear translocation of the protein. RGC-32 was phys. associated with cyclin-dependent **kinase p34CDC2** and increased the **kinase activity in vivo and in vitro**. In addition, RGC-32 was phosphorylated by p34CDC2-cyclin B1 in vitro. Mutation of RGC-32 protein at Thr-91 prevented the p34CDC2-mediated phosphorylation and resulted in loss of p34CDC2 **kinase enhancing activity**. Overexpression of RGC-32 induced quiescent aortic smooth muscle cells to enter S-phase. These data indicate that cell cycle activation by C5b-9 may involve p34CDC2 activity through RGC-32. RGC-32 appears to be a cell cycle regulatory factor that mediates cell proliferation, both as an activator and substrate of p34CDC2.

REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L9 41255 S HUMAN (A)L3  
L10 455 S L8 AND L9  
L11 12930 S "CHROMOSOME 13"  
L12 2 S L10 AND L11  
L13 2 DUP REM L12 (0 DUPLICATES REMOVED)

=> s l6 and l9

L14 24103 L6 AND L9

=> dup rem l8

PROCESSING COMPLETED FOR L8

L15 241 DUP REM L8 (214 DUPLICATES REMOVED)

=> d 1-241 ibib

L15 ANSWER 1 OF 241 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN  
ACCESSION NUMBER: 2004-10657 BIOTECHDS  
TITLE: Detecting a cancer cell in a subject sample, also related to cancer treatments, comprises determining the level of nucleic acid that is linked to map position 8q22.3 of the human genome or its expression product; protein level determination and antisense sequence for use in disease therapy and gene therapy  
AUTHOR: WATTS C; SAUNDERS D; HENDERSON M; CLANCY J; HENSHALL S; SUTHERLAND R; O'BRIEN P  
PATENT ASSIGNEE: GARVAN INST MEDICAL RES  
PATENT INFO: WO 2004022750 18 Mar 2004  
APPLICATION INFO: WO 2003-AU1164 5 Sep 2003  
PRIORITY INFO: US 2002-425218 7 Nov 2002; AU 2002-951346 5 Sep 2002  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: WPI: 2004-248472 [23]

L15 ANSWER 2 OF 241 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN  
ACCESSION NUMBER: 2004-12491 BIOTECHDS  
TITLE: Diagnosing lung cancer by contacting sample comprising lung cells from subject with probe that hybridizes to nucleic acid having human bromo domain testis specific gene product cDNA sequence and determining hybridization; DNA probe and vector expression in host cell for use in disease diagnosis  
AUTHOR: SCANLAN M J; GURE A; OLD L J; CHEN Y; WILLIAMSON B  
PATENT ASSIGNEE: LUDWIG INST CANCER RES  
PATENT INFO: US 6686147 3 Feb 2004  
APPLICATION INFO: US 1999-392714 9 Sep 1999  
PRIORITY INFO: US 1999-392714 9 Sep 1999; WO 1998-14679 15 Jul 1998

DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: WPI: 2004-223796 [21]

L15 ANSWER 3 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:905934 HCAPLUS

DOCUMENT NUMBER: 141:361558

TITLE: Mouse genes differentially **expressed** in liver cells during hyperinsulinemia and type II diabetes, related **human** genes, and uses for diagnosis and protection against same

INVENTOR(S): Kopchick, John J.; Kelder, Bruce; Boyce, Keith S.; Kriete, Andres

PATENT ASSIGNEE(S): Ohio University, USA

SOURCE: PCT Int. Appl., 420 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004092416	A1	20041028	WO 2004-US10191	20040402
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: US 2003-460415P P 20030407

US 2003-506716P P 20030930

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 4 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:838610 HCAPLUS

DOCUMENT NUMBER: 141:312238

TITLE: DNA microarray analysis of gene **expression** in the diagnosis of estrogen receptor positive- and negative-breast cancer

INVENTOR(S): Erlander, Mark G.; Ma, Xiao-Jun; Wang, Wei; Wittliff, James L.

PATENT ASSIGNEE(S): Arcturus Bioscience, Inc., USA

SOURCE: PCT Int. Appl., 226 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004079014	A2	20040916	WO 2002-XA2004006736	20040304
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,			

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 TD, TG, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,  
 TD, TG

WO 2004079014 A2 20040916 WO 2004-US6736 20040304  
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 LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX,  
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 MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA,  
 GN, GQ, GW, ML, MR, NE, SN, TD, TG, BF, BJ, CF, CG, CI, CM, GA,  
 GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2003-451942P P 20030304  
 WO 2004-US6736 A 20040304

L15 ANSWER 5 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2004:449884 HCAPLUS  
 DOCUMENT NUMBER: 140:420388  
 TITLE: Binary prediction tree modeling with many predictors  
 and its uses in clinical and genomic applications  
 INVENTOR(S): Nevins, Joseph R.; West, Mike; Huang, Andrew T.  
 PATENT ASSIGNEE(S): Duke University, USA  
 SOURCE: PCT Int. Appl., 886 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 5  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004038376	A2	20040506	WO 2003-XB33946	20031024
W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD	
RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	
WO 2004038376	A2	20040506	WO 2003-US33946	20031024
WO 2004038376	A3	20040826		
W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD	
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PRIORITY APPLN. INFO.: US 2002-420729P P 20021024  
US 2002-421062P P 20021025  
US 2002-421102P P 20021025  
US 2002-424701P P 20021108  
US 2002-424715P P 20021108  
US 2002-424718P P 20021108  
US 2002-425256P P 20021112  
US 2003-448461P P 20030221  
US 2003-448462P P 20030221  
US 2003-457877P P 20030327  
US 2003-458373P P 20030331  
WO 2003-US33946 A 20031024

L15 ANSWER 6 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2004:355085 HCAPLUS  
DOCUMENT NUMBER: 140:369944  
TITLE: Human tissue-specific housekeeping genes identified by expression profiling  
INVENTOR(S): Aburatani, Hiroyuki; Yamamoto, Shogo  
PATENT ASSIGNEE(S): NGK Insulators, Ltd., Japan  
SOURCE: PCT Int. Appl., 372 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004035785	A1	20040429	WO 2002-JP10753	20021016
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004229233	A1	20041118	US 2003-684422	20031015
PRIORITY APPLN. INFO.: US 2002-418614P P 20021016 WO 2002-JP10753 W 20021016				
REFERENCE COUNT:	3	THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L15 ANSWER 7 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2004:912970 HCAPLUS  
TITLE: Ser/Thr Protein Phosphatase 5 Inactivates Hypoxia-induced Activation of an Apoptosis Signal-regulating Kinase 1/MKK-4/JNK Signaling Cascade  
AUTHOR(S): Zhou, Guofei; Golden, Teresa; Aragon, Ileana V.; Honkanen, Richard E.  
CORPORATE SOURCE: Department of Biochemistry and Molecular Biology, College of Medicine, University of South Alabama, Mobile, AL, 36688, USA  
SOURCE: Journal of Biological Chemistry (2004), 279(45), 46595-46605  
CODEN: JBCHA3; ISSN: 0021-9258  
PUBLISHER: American Society for Biochemistry and Molecular Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English

REFERENCE COUNT: 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 8 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 2004:821848 SCISEARCH  
THE GENUINE ARTICLE: 852YA  
TITLE: ATM-dependent CHK2 activation induced by anticancer agent, irrofulven  
AUTHOR: Wang J; Wiltshire T; Wang Y T; Mikell C; Burks J; Cunningham C; Van Laar E S; Waters S J; Reed E; Wang W X (Reprint)  
CORPORATE SOURCE: W Virginia Univ, May Babb Randolph Canc Ctr, Morgantown, WV 26506 USA (Reprint); W Virginia Univ, Dept Microbiol Immunol & Cell Biol, Morgantown, WV 26506 USA; MGI Pharma Inc, Bloomington, MN 55437 USA  
COUNTRY OF AUTHOR: USA  
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (17 SEP 2004) Vol. 279, No. 38, pp. 39584-39592.  
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA.  
ISSN: 0021-9258.  
DOCUMENT TYPE: General Review; Journal  
LANGUAGE: English  
REFERENCE COUNT: 106  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 9 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 2004:679849 SCISEARCH  
THE GENUINE ARTICLE: 838QA  
TITLE: Nodal and ALK7 inhibit proliferation and induce apoptosis in human trophoblast cells  
AUTHOR: Munir S; Xu G X; Wu Y J; Yang B; Lala P K; Peng C (Reprint)  
CORPORATE SOURCE: York Univ, Dept Biol, 4700 Keele St, N York, ON M3J 1P3, Canada (Reprint); York Univ, Dept Biol, N York, ON M3J 1P3, Canada; Univ Toronto, Sunnybrook & Womens Coll Hlth Sci Ctr, Toronto, ON M4N 3M5, Canada; Univ Toronto, Dept Lab Med & Pathobiol, Toronto, ON M4N 3M5, Canada; Univ Western Ontario, Dept Anat & Cell Biol, London, ON N6A 5C1, Canada  
COUNTRY OF AUTHOR: Canada  
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (23 JUL 2004) Vol. 279, No. 30, pp. 31277-31286.  
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA.  
ISSN: 0021-9258.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 48  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 10 OF 241 MEDLINE on STN DUPLICATE 1

ACCESSION NUMBER: 2004281156 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 15024021  
TITLE: Polo-like kinase 1 (Plk1) inhibits p53 function by physical interaction and phosphorylation.  
AUTHOR: Ando Kiyohiro; Ozaki Toshinori; Yamamoto Hideki; Furuya Kazushige; Hosoda Mitsuchika; Hayashi Syunji; Fukuzawa Masahiro; Nakagawara Akira  
CORPORATE SOURCE: Division of Biochemistry, Chiba Cancer Center Research Institute, Chiba 260-8717, Japan.  
SOURCE: Journal of biological chemistry, (2004 Jun 11) 279 (24)

25549-61.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200407  
ENTRY DATE: Entered STN: 20040608  
Last Updated on STN: 20040702  
Entered Medline: 20040701

L15 ANSWER 11 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2004:449158 HCAPLUS  
DOCUMENT NUMBER: 141:154332  
TITLE: **Human** Mob proteins regulate the NDR1 and  
NDR2 **serine-threonine**  
**kinases**  
AUTHOR(S): Devroe, Eric; Erdjument-Bromage, Hediye; Tempst, Paul;  
Silver, Pamela A.  
CORPORATE SOURCE: The Dana-Farber Cancer Institute, Department of Cancer  
Cell Biology, Department of Systems Biology, Harvard  
Medical School, Boston, MA, 02115, USA  
SOURCE: Journal of Biological Chemistry (2004), 279(23),  
24444-24451  
CODEN: JBCHA3; ISSN: 0021-9258  
PUBLISHER: American Society for Biochemistry and Molecular  
Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 12 OF 241 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
RESERVED. on STN  
ACCESSION NUMBER: 2004212109 EMBASE  
TITLE: Down-regulation of Survivin in Nitric Oxide-induced Cell  
Growth Inhibition and Apoptosis of the **Human**  
**Lung Carcinoma** Cells.  
AUTHOR: Chao J.-I.; Kuo P.-C.; Hsu T.-S.  
CORPORATE SOURCE: J.-I. Chao, Molecular Toxicology Laboratory, College of  
Life Sciences, Tzu Chi University, 701, Section 3,  
Chung-Yang Rd., Hualien 970, Taiwan, Province of China.  
chaoji@mail.tcu.edu.tw  
SOURCE: Journal of Biological Chemistry, (7 May 2004) 279/19  
(20267-20276).  
Refs: 56  
ISSN: 0021-9258 CODEN: JBCHA3  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 016 Cancer  
029 Clinical Biochemistry  
037 Drug Literature Index  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L15 ANSWER 13 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2004:218275 HCAPLUS  
DOCUMENT NUMBER: 140:268594  
TITLE: Cyclin L2, a Novel RNA Polymerase II-associated  
Cyclin, Is Involved in Pre-mRNA Splicing and Induces  
Apoptosis of **Human** Hepatocellular Carcinoma  
Cells  
AUTHOR(S): Yang, Lianjun; Li, Nan; Wang, Chunmei; Yu, Yizhi;  
Yuan, Liang; Zhang, Minghui; Cao, Xuetao

CORPORATE SOURCE: Institute of Immunology, Second Military Medical  
University, Shanghai, 200433, Peop. Rep. China  
SOURCE: Journal of Biological Chemistry (2004), 279(12),  
11639-11648  
CODEN: JBCHA3; ISSN: 0021-9258  
PUBLISHER: American Society for Biochemistry and Molecular  
Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 14 OF 241 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
RESERVED. on STN

ACCESSION NUMBER: 2004079863 EMBASE  
TITLE: Thrombin Up-regulates Tissue Factor Pathway Inhibitor-2  
Synthesis through a Cyclooxygenase-2-dependent, Epidermal  
Growth Factor Receptor-independent Mechanism.  
AUTHOR: Neaud V.; Duplantier J.G.; Mazzocco C.; Kisiel W.;  
Rosenbaum J.  
CORPORATE SOURCE: J. Rosenbaum, GREF, INSERM E362, Univ. Victor Segalen  
Bordeaux 2, 146 Rue Leo Saignat, 33076 Bordeaux Cedex,  
France. jean.rosenbaum@grefu-bordeaux2.fr  
SOURCE: Journal of Biological Chemistry, (13 Feb 2004) 279/7  
(5200-5206).  
Refs: 39  
ISSN: 0021-9258 CODEN: JBCHA3  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 029 Clinical Biochemistry  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L15 ANSWER 15 OF 241 MEDLINE on STN DUPLICATE 2

ACCESSION NUMBER: 2004313967 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 15077168  
TITLE: Distinctive gene **expression** of human  
lung adenocarcinomas carrying LKB1 mutations.  
AUTHOR: Fernandez Paloma; Carretero Julian; Medina Pedro P; Jimenez  
Ana I; Rodriguez-Perales Sandra; Paz Maria F; Cigudosa Juan  
C; Esteller Manel; Lombardia Luis; Morente Manuel;  
Sanchez-Verde Lydia; Sotelo Teresa; Sanchez-Cespedes  
Montserrat  
CORPORATE SOURCE: Lymphomas and Lung Cancer Laboratory, Spanish National  
Cancer Centre (CNIO), Madrid, Spain.  
SOURCE: Oncogene, (2004 Jun 24) 23 (29) 5084-91.  
Journal code: 8711562. ISSN: 0950-9232.  
PUB. COUNTRY: England: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200407  
ENTRY DATE: Entered STN: 20040625  
Last Updated on STN: 20040713  
Entered Medline: 20040712

L15 ANSWER 16 OF 241 MEDLINE on STN

ACCESSION NUMBER: 2004361224 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 15256475  
TITLE: Cyclooxygenase (COX)-2 inhibitor celecoxib abrogates  
activation of cigarette smoke-induced nuclear factor  
(NF)-kappaB by suppressing activation of IkappaBalpha  
kinase in human non-small cell  
lung carcinoma: correlation with



suppression of cyclin D1, COX-2, and matrix metalloproteinase-9.

AUTHOR: Shishodia Shishir; Aggarwal Bharat B

CORPORATE SOURCE: Cytokine Research Laboratory, Department of Bioimmunotherapy, The University of Texas M. D. Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, TX 77030, USA.

CONTRACT NUMBER: CA 91844 (NCI)

SOURCE: Cancer research, (2004 Jul 15) 64 (14) 5004-12.  
Journal code: 2984705R. ISSN: 0008-5472.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200409

ENTRY DATE: Entered STN: 20040722  
Last Updated on STN: 20040910  
Entered Medline: 20040909

L15 ANSWER 17 OF 241 MEDLINE on STN

ACCESSION NUMBER: 2004361221 MEDLINE

DOCUMENT NUMBER: PubMed ID: 15256458

TITLE: Small molecule antagonists of the sigma-1 receptor cause selective release of the death program in tumor and self-reliant cells and inhibit tumor growth in vitro and in vivo.

AUTHOR: Spruce Barbara A; Campbell Lorna A; McTavish Niall; Cooper Michelle A; Appleyard M Virginia L; O'Neill Mary; Howie Jacqueline; Samson Jayne; Watt Stephen; Murray Karen; McLean Doris; Leslie Nick R; Safrany Stephen T; Ferguson Michelle J; Peters John A; Prescott Alan R; Box Gary; Hayes Angela; Nutley Bernard; Raynaud Florence; Downes C Peter; Lambert Jeremy J; Thompson Alastair M; Eccles Suzanne

CORPORATE SOURCE: Department of Surgery and Molecular Oncology, The University of Dundee, Ninewells Hospital and Medical School, Dundee DD1 9SY, Scotland, UK..  
b.a.spruce@dundee.ac.uk

SOURCE: Cancer research, (2004 Jul 15) 64 (14) 4875-86.  
Journal code: 2984705R. ISSN: 0008-5472.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200409

ENTRY DATE: Entered STN: 20040722  
Last Updated on STN: 20040910  
Entered Medline: 20040909

L15 ANSWER 18 OF 241 MEDLINE on STN

ACCESSION NUMBER: 2004434128 MEDLINE

DOCUMENT NUMBER: PubMed ID: 15318167

TITLE: BMP-2 decreases Mash1 stability by increasing Id1 expression.

AUTHOR: Vinals Francesc; Reiriz Julia; Ambrosio Santiago; Bartrons Ramon; Rosa Jose Luis; Ventura Francesc

CORPORATE SOURCE: Departament de Ciències Fisiològiques II, Campus de Bellvitge, Universitat de Barcelona, Feixa Llarga s/n, L'Hospitalet de Llobregat, Spain.

SOURCE: EMBO journal, (2004 Sep 1) 23 (17) 3527-37.  
Journal code: 8208664. ISSN: 0261-4189.

PUB. COUNTRY: England; United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200410  
ENTRY DATE: Entered STN: 20040902  
Last Updated on STN: 20041007  
Entered Medline: 20041006

L15 ANSWER 19 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2004369792 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 15265936  
TITLE: Cyclooxygenase (COX)-2 inhibitor celecoxib abrogates  
TNF-induced NF-kappa B activation through inhibition of  
activation of I kappa B alpha kinase and Akt in  
human non-small cell lung  
carcinoma: correlation with suppression of COX-2  
synthesis.  
AUTHOR: Shishodia Shishir; Koul Dimpy; Aggarwal Bharat B  
CORPORATE SOURCE: Department of Bioimmunotherapy, University of Texas M. D.  
Anderson Cancer Center, Houston, TX 77030, USA.  
CONTRACT NUMBER: PO1 CA91844 (NCI)  
SOURCE: Journal of immunology (Baltimore, Md. : 1950), (2004 Aug 1)  
173 (3) 2011-22.  
Journal code: 2985117R. ISSN: 0022-1767.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 200411  
ENTRY DATE: Entered STN: 20040728  
Last Updated on STN: 20041103  
Entered Medline: 20041102

L15 ANSWER 20 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2004069950 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 14871987  
TITLE: Deguelin-induced inhibition of cyclooxygenase-2  
expression in human bronchial epithelial  
cells.  
AUTHOR: Lee Ho-Young; Suh Young-Ah; Kosmeder Jerome W; Pezzuto John  
M; Hong Waun Ki; Kurie Jonathan M  
CORPORATE SOURCE: Department of Thoracic/Head and Neck Medical Oncology, Unit  
432, The University of Texas M. D. Anderson Cancer Center,  
1515 Holcombe Boulevard, Houston, TX 77030, USA..  
hlee@mdanderson.org  
SOURCE: Clinical cancer research : an official journal of the  
American Association for Cancer Research, (2004 Feb 1) 10  
(3) 1074-9.  
Journal code: 9502500. ISSN: 1078-0432.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200409  
ENTRY DATE: Entered STN: 20040212  
Last Updated on STN: 20040929  
Entered Medline: 20040928

L15 ANSWER 21 OF 241 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
RESERVED. on STN  
ACCESSION NUMBER: 2004434431 EMBASE  
TITLE: Both mitogen-activated protein kinase and  
phosphatidylinositol 3-kinase signalling are  
required in epidermal growth factor-induced human  
trophoblast migration.  
AUTHOR: Qiu Q.; Yang M.; Tsang B.K.; Gruslin A.  
CORPORATE SOURCE: A. Gruslin, Division of Maternal-Fetal Medicine, Department

of Obstetrics/Gynecology, The Ottawa Hospital, 501 Smyth  
Road, Ottawa, Ont. K1H 8L6, Canada.  
agruslin@ottawahospital.on.ca  
SOURCE: Molecular Human Reproduction, (2004) 10/9 (677-684).  
Refs: 41  
ISSN: 1360-9947 CODEN: MHREFD  
COUNTRY: United Kingdom  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 010 Obstetrics and Gynecology  
021 Developmental Biology and Teratology  
029 Clinical Biochemistry  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L15 ANSWER 22 OF 241 MEDLINE on STN DUPLICATE 3  
ACCESSION NUMBER: 2004247049 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 15146457  
TITLE: Identification and characterization of ANKK1: a novel  
kinase gene closely linked to DRD2 on chromosome  
band 11q23.1.  
AUTHOR: Neville Matt J; Johnstone Elaine C; Walton Robert T  
CORPORATE SOURCE: Cancer Research UK General Practice Research Group,  
Department of Clinical Pharmacology, University of Oxford,  
Oxford, UK.. mneville@molbiol.ox.ac.uk  
SOURCE: Human mutation, (2004 Jun) 23 (6) 540-5.  
Journal code: 9215429. ISSN: 1098-1004.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-AI184570; OMIM-126450  
ENTRY MONTH: 200409  
ENTRY DATE: Entered STN: 20040518  
Last Updated on STN: 20040925  
Entered Medline: 20040924

L15 ANSWER 23 OF 241 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
RESERVED. on STN  
ACCESSION NUMBER: 2004430185 EMBASE  
TITLE: Validating the prognostic value of marker genes derived  
from a non-small cell lung cancer microarray study.  
AUTHOR: Blackhall F.H.; Wigle D.A.; Jurisica I.; Pintilie M.; Liu  
N.; Darling G.; Johnston M.R.; Keshavjee S.; Waddell T.;  
Winton T.; Shepherd F.A.; Tsao M.-S.  
CORPORATE SOURCE: M.-S. Tsao, Div. of Cell. and Molecular Biology, University  
Health Network, Ontario Cancer Inst., Prncs. M., Toronto,  
Ont. M5G 2M9, Canada. Ming.Tsao@uhn.on.ca  
SOURCE: Lung Cancer, (2004) 46/2 (197-204).  
Refs: 17  
ISSN: 0169-5002 CODEN: LUCAE5  
PUBLISHER IDENT.: S 0169-5002(04)00155-2  
COUNTRY: Ireland  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 016 Cancer  
022 Human Genetics  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L15 ANSWER 24 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN  
ACCESSION NUMBER: 2004:886225 SCISEARCH  
THE GENUINE ARTICLE: 8580Q  
TITLE: Molecular cloning and characterization of a  
novel human protein phosphatase 2C cDNA (PP2C

epsilon)  
 AUTHOR: Jin F; Ji C N; Liu L F; Dai J F; Gu S H; Sun X F; Xie Y; Mao Y M (Reprint)  
 CORPORATE SOURCE: Fudan Univ, Sch Life Sci, Inst Genet, State Key Lab Genet Engn, Shanghai 200433, Peoples R China (Reprint)  
 COUNTRY OF AUTHOR: Peoples R China  
 SOURCE: MOLECULAR BIOLOGY REPORTS, (SEP 2004) Vol. 31, No. 3, pp. 197-202.  
 Publisher: KLUWER ACADEMIC PUBL, VAN GODEWIJCKSTRAAT 30, 3311 GZ DORDRECHT, NETHERLANDS.  
 ISSN: 0301-4851.  
 DOCUMENT TYPE: Article; Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 10  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 25 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
 on STN

ACCESSION NUMBER: 2004:795833 SCISEARCH  
 THE GENUINE ARTICLE: 849ZS  
 TITLE: ATM protein purified from vaccinia virus  
 expression system: DNA binding requirements for  
 kinase activation  
 AUTHOR: Chun H H; Cary R B; Lansigan F; Whitelegge J; Rawlings D J; Gatti R A (Reprint)  
 CORPORATE SOURCE: Univ Calif Los Angeles, David Geffen Sch Med, Dept Pathol, Los Angeles, CA 90095 USA (Reprint); Los Alamos Natl Lab, Biosci Div, Los Alamos, NM 87545 USA; Univ Calif Los Angeles, David Geffen Sch med, Dept Pediat, Los Angeles, CA 90095 USA; Univ Calif Los Angeles, Inst Neuropsychiat, Dept Psychiat & Biobehav Sci, Pasarow Mass Spectrometry Lab, Los Angeles, CA 90095 USA; Univ Calif Los Angeles, Inst Neuropsychiat, Dept Chem & Biochem, Pasarow Mass Spectrometry Lab, Los Angeles, CA 90095 USA; Univ Washington, Sch Med, Dept Pediat, Seattle, WA 98195 USA  
 COUNTRY OF AUTHOR: USA  
 SOURCE: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (10 SEP 2004) Vol. 322, No. 1, pp. 74-81.  
 Publisher: ACADEMIC PRESS INC ELSEVIER SCIENCE, 525 B ST, STE 1900, SAN DIEGO, CA 92101-4495 USA.  
 ISSN: 0006-291X.  
 DOCUMENT TYPE: Article; Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 31  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 26 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 4

ACCESSION NUMBER: 2003:942764 HCAPLUS  
 DOCUMENT NUMBER: 140:3792  
 TITLE: Genes **expressed** in atherosclerotic tissue and their use in diagnosis and pharmacogenetics  
 INVENTOR(S): Nevins, Joseph; West, Mike; Goldschmidt, Pascal  
 PATENT ASSIGNEE(S): Duke University, USA  
 SOURCE: PCT Int. Appl., 408 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003091391	A2	20031106	WO 2002-XA38221	20021112
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,				

DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP,  
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,  
MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,  
TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU,  
TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,  
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,  
PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
NE, SN, TD, TG

WO 2003091391 A2 20031106 WO 2002-US38221 20021112  
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,  
DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP,  
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,  
MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,  
TR, TT, UA, UG, UZ, VN, YU, ZA, ZW  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,  
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF,  
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2002-374547P P 20020423  
US 2002-420784P P 20021024  
US 2002-421043P P 20021025  
US 2002-424680P P 20021108  
WO 2002-US38221 A 20021112

L15 ANSWER 27 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:633903 HCAPLUS

DOCUMENT NUMBER: 139:174873

TITLE: Protein and cDNA and genomic sequences of a  
**human serine/threonine**  
protein **kinase** sequence homolog, its tissue  
**expression**, SNPs, and therapeutic use

INVENTOR(S): Yan, Chunhua; Ke, Zhaoxi

PATENT ASSIGNEE(S): Applera Corporation, USA

SOURCE: PCT Int. Appl., 76 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003066835	A2	20030814	WO 2003-US3967	20030210
WO 2003066835	A3	20040325		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2003157679	A1	20030821	US 2002-67977	20020208
EP 1474525	A2	20041110	EP 2003-737720	20030210
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
US 2004203127	A1	20041014	US 2004-827272	20040420
PRIORITY APPLN. INFO.:			US 2002-67977	A 20020208
			WO 2003-US3967	W 20030210

L15 ANSWER 28 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:282589 HCAPLUS  
 DOCUMENT NUMBER: 138:285610  
 TITLE: Classification of lung carcinomas  
 by analysis of patterns of gene expression  
 INVENTOR(S): Golub, Todd; Meyerson, Matthew; Bhattacharjee,  
 Arindham; Staunton, Jane  
 PATENT ASSIGNEE(S): Whitehead Institute for Biomedical Research, USA  
 SOURCE: PCT Int. Appl., 125 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003029273	A2	20030410	WO 2002-US30797	20020927
WO 2003029273	A3	20031120		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2004009489 A1 20040115 US 2002-259233 20020927 EP 1444361 A2 20040811 EP 2002-780386 20020927 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK PRIORITY APPLN. INFO.: US 2001-325962P P 20010928 WO 2002-US30797 W 20020927				

L15 ANSWER 29 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2003:597452 HCAPLUS  
 DOCUMENT NUMBER: 139:228318  
 TITLE: Identification and Characterization of a Nuclear  
 Interacting Partner of Anaplastic Lymphoma  
**Kinase (NIPA)**  
 AUTHOR(S): Ouyang, Tao; Bai, Ren-Yuan; Bassermann, Florian; von  
 Klitzing, Christine; Klumpen, Silvia; Miething,  
 Cornelius; Morris, Stephan W.; Peschel, Christian;  
 Duyster, Justus  
 CORPORATE SOURCE: Laboratory of Leukemogenesis, Department of Internal  
 Medicine III, Technical University of Munich, Munich,  
 81675, Germany  
 SOURCE: Journal of Biological Chemistry (2003), 278(32),  
 30028-30036  
 CODEN: JBCHA3; ISSN: 0021-9258  
 PUBLISHER: American Society for Biochemistry and Molecular  
 Biology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 30 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2003:226293 HCAPLUS  
 DOCUMENT NUMBER: 138:383829  
 TITLE: Pellino 1 Is Required for Interleukin-1  
 (IL-1)-mediated Signaling through Its Interaction with  
 the IL-1 Receptor-associated **Kinase 4**

(IRAK4)-IRAK-Tumor Necrosis Factor Receptor-associated  
Factor 6 (TRAF6) Complex  
AUTHOR(S): Jiang, Zhengfan; Johnson, H. Jan; Nie, Huiqing; Qin,  
Jinzhong; Bird, Timothy A.; Li, Xiaoxia  
CORPORATE SOURCE: Lerner Research Institute, Department of Immunology,  
Cleveland Clinic Foundation, Cleveland, OH, 44195, USA  
SOURCE: Journal of Biological Chemistry (2003), 278(13),  
10952-10956  
CODEN: JBCHA3; ISSN: 0021-9258  
PUBLISHER: American Society for Biochemistry and Molecular  
Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 31 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2003507744 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 14583493  
TITLE: Proteomic profiling drug-induced apoptosis in non-small  
cell lung carcinoma: identification of  
RS/DJ-1 and RhoGDIalpha.  
AUTHOR: MacKeigan Jeffrey P; Clements Casey M; Lich John D; Pope R  
Marshall; Hod Yaacov; Ting Jenny P-Y  
CORPORATE SOURCE: Lineberger Comprehensive Cancer Center, Departments of  
Microbiology and Immunology, University of North Carolina  
at Chapel Hill, Chapel Hill, North Carolina 27599, USA.  
CONTRACT NUMBER: CA-58233 (NCI)  
SOURCE: Cancer research, (2003 Oct 15) 63 (20) 6928-34.  
Journal code: 2984705R. ISSN: 0008-5472.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200312  
ENTRY DATE: Entered STN: 20031031  
Last Updated on STN: 20031223  
Entered Medline: 20031222

L15 ANSWER 32 OF 241 MEDLINE on STN DUPLICATE 5  
ACCESSION NUMBER: 2003086962 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12446683  
TITLE: The ERK/MAPK pathway regulates the activity of the  
human tissue factor pathway inhibitor-2 promoter.  
AUTHOR: Kast,Christina; Wang Minglun; Whiteway Malcolm  
CORPORATE SOURCE: Biotechnology Research Institute, National Research Council  
of Canada, 6100 Royalmount Ave., Montreal, Quebec H4P 2R2,  
Canada.. Christina.Kast@insel.ch  
SOURCE: Journal of biological chemistry, (2003 Feb 28) 278 (9)  
6787-94.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200304  
ENTRY DATE: Entered STN: 20030225  
Last Updated on STN: 20030409  
Entered Medline: 20030408

L15 ANSWER 33 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2003:731257 HCAPLUS  
DOCUMENT NUMBER: 140:55530  
TITLE: Comparative studies of a new subfamily of

**human Ste20-like kinases:**  
homodimerization, subcellular localization, and  
selective activation of MKK3 and p38

AUTHOR(S): Yustein, Jason T.; Xia, Liang; Kahlenburg, J.  
Michelle; Robinson, Dan; Templeton, Dennis; Kung,  
Hsing-Jien

CORPORATE SOURCE: Department of Molecular Biology and Microbiology, Case  
Western Reserve University, Cleveland, OH, 44106-4960,  
USA

SOURCE: Oncogene (2003), 22(40), 6129-6141  
CODEN: ONCNES; ISSN: 0950-9232

PUBLISHER: Nature Publishing Group

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 34 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:368172 HCAPLUS

DOCUMENT NUMBER: 139:83002

TITLE: Characterization of cells and gene-targeted mice  
deficient for the p53-binding **kinase**  
homeodomain-interacting protein **kinase 1**  
(HIPK1)

AUTHOR(S): Kondo, Seiji; Lu, Ying; Debbas, Michael; Lin, Athena  
W.; Sarosi, Ildiko; Itie, Annick; Wakeham, Andrew;  
Tuan, JoAnn; Saris, Chris; Elliott, Gary; Ma, Weili;  
Benchimol, Samuel; Lowe, Scott W.; Mak, Tak Wah;  
Thukral, Sushil K.

CORPORATE SOURCE: Advanced Medical Discovery Institute, Toronto, ON, M5G  
2C1, Can.

SOURCE: Proceedings of the National Academy of Sciences of the  
United States of America (2003), 100(9), 5431-5436  
CODEN: PNASA6; ISSN: 0027-8424

PUBLISHER: National Academy of Sciences

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 35 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:681785 HCAPLUS

DOCUMENT NUMBER: 139:375215

TITLE: TLP, a novel modulator of TGF- $\beta$  signaling, has  
opposite effects on Smad2- and Smad3-dependent  
signaling

AUTHOR(S): Felici, Angelina; Wurthner, Jens U.; Parks, W. Tony;  
Giam, Louise Ruh-yu; Reiss, Michael; Karpova, Tatiana  
S.; McNally, James G.; Roberts, Anita B.

CORPORATE SOURCE: Laboratory of Cell Regulation and Carcinogenesis,  
National Cancer Institute, National Institutes of  
Health, Bethesda, MD, 20892-5055, USA

SOURCE: EMBO Journal (2003), 22(17), 4465-4477  
CODEN: EMJODG; ISSN: 0261-4189

PUBLISHER: Oxford University Press

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 36 OF 241 MEDLINE on STN DUPLICATE 6

ACCESSION NUMBER: 2003187516 MEDLINE

DOCUMENT NUMBER: PubMed ID: 12606401

TITLE: Identification of novel isoforms of activin receptor-like



**kinase 7 (ALK7)** generated by alternative splicing and **expression** of ALK7 and its ligand, Nodal, in **human placenta**.

AUTHOR: Roberts Heather J; Hu Siqin; Qiu Qing; Leung Peter C K; Caniggia Isabella; Gruslin Andree; Tsang Benjamin; Peng Chun

CORPORATE SOURCE: Department of Biology, York University, Toronto, Ontario, Canada M3J 1P3.

SOURCE: Biology of reproduction, (2003 May) 68 (5) 1719-26.  
Journal code: 0207224. ISSN: 0006-3363.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200312

ENTRY DATE: Entered STN: 20030423  
Last Updated on STN: 20031217  
Entered Medline: 20031212

L15 ANSWER 37 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 2003:659262 SCISEARCH

THE GENUINE ARTICLE: 702RJ

TITLE: Modulation of IR/PTP1B interaction and downstream signaling in insulin sensitive tissues of MSG-rats

AUTHOR: Hirata A E; Alvarez-Rojas F; Carvalheira J B C; Carvalho C R D; Dolnikoff M S; Saad M J A (Reprint)

CORPORATE SOURCE: Univ Estadual Campinas, Fac Ciencias Med, Dept Clin Med, BR-13081970 Campinas, SP, Brazil (Reprint); Univ Sao Paulo, ICB, Dept Fisiol & Biofis, Sao Paulo, Brazil; Univ Fed Sao Paulo, Dept Fisiol, Sao Paulo, Brazil

COUNTRY OF AUTHOR: Brazil

SOURCE: LIFE SCIENCES, (1 AUG 2003) Vol. 73, No. 11, pp. 1369-1381  
  
Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND.  
ISSN: 0024-3205.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 23

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 38 OF 241 MEDLINE on STN

ACCESSION NUMBER: 2003354146 MEDLINE

DOCUMENT NUMBER: PubMed ID: 12807725

TITLE: Curcumin (diferuloylmethane) down-regulates cigarette smoke-induced NF-kappaB activation through inhibition of IkappaBalpha **kinase** in **human** lung epithelial cells: correlation with suppression of COX-2, MMP-9 and cyclin D1.

AUTHOR: Shishodia Shishir; Potdar Pravin; Gairola C Gary; Aggarwal Bharat B

CORPORATE SOURCE: Cytokine Research Laboratory, Department of Bioimmunotherapy, The University of Texas M. D. Anderson Cancer Center, Box 143, 1515 Holcombe Boulevard, Houston, TX 77030, USA.

CONTRACT NUMBER: CA91844 (NCI)

SOURCE: Carcinogenesis, (2003 Jul) 24 (7) 1269-79.  
Journal code: 8008055. ISSN: 0143-3334.

PUB. COUNTRY: England; United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200308

ENTRY DATE: Entered STN: 20030731  
Last Updated on STN: 20030823  
Entered Medline: 20030822

L15 ANSWER 39 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2003422891 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12963988  
TITLE: Enhancement of cisplatin-induced cytotoxicity by ROCK inhibitor through suppression of focal adhesion **kinase**-independent mechanism in **lung carcinoma** cells.  
AUTHOR: Igishi Tadashi; Mikami Masaaki; Murakami Kaori; Matsumoto Shingo; Shigeoka Yasushi; Nakanishi Hirofumi; Yasuda Kazuhito; Gutkind J Silvio; Hitsuda Yutaka; Shimizu Eiji  
CORPORATE SOURCE: Third Department of Internal Medicine, Faculty of Medicine, Tottori University, Yonago 683-8504, Japan..  
igishi@grape.med.tottori-u.ac.jp  
SOURCE: International journal of oncology, (2003 Oct) 23 (4) 1079-85.  
Journal code: 9306042. ISSN: 1019-6439.  
PUB. COUNTRY: Greece  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200407  
ENTRY DATE: Entered STN: 20030910  
Last Updated on STN: 20040710  
Entered Medline: 20040709

L15 ANSWER 40 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2003080645 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12592384  
TITLE: Type 1 insulin-like growth factor regulates MT1-MMP synthesis and tumor invasion via PI 3-**kinase**/Akt signaling.  
AUTHOR: Zhang Donglei; Brodt Pnina  
CORPORATE SOURCE: Department of Surgery, McGill University Health Center, The Royal Victoria Hospital, Montreal, Quebec, Canada.  
SOURCE: Oncogene, (2003 Feb 20) 22 (7) 974-82.  
Journal code: 8711562. ISSN: 0950-9232.  
PUB. COUNTRY: England: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200303  
ENTRY DATE: Entered STN: 20030221  
Last Updated on STN: 20030316  
Entered Medline: 20030314

L15 ANSWER 41 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2003470386 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 14532952  
TITLE: The TGF-beta superfamily and its roles in the **human ovary and placenta**.  
AUTHOR: Peng Chun  
CORPORATE SOURCE: Department of Biology, York University, Toronto, ON, Canada.  
SOURCE: Journal of obstetrics and gynaecology Canada : JOGC = Journal d'obstetrique et gynecologie du Canada : JOGC, (2003 Oct) 25 (10) 834-44. Ref: 135  
Journal code: 101126664. ISSN: 1701-2163.  
PUB. COUNTRY: Canada  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)

(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200401  
ENTRY DATE: Entered STN: 20031009  
Last Updated on STN: 20040127  
Entered Medline: 20040126

L15 ANSWER 42 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2003541268 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 14614041  
TITLE: Characterization of **human** trophoblast as a mineralocorticoid target tissue.  
AUTHOR: Driver P M; Rauz S; Walker E A; Hewison M; Kilby M D; Stewart P M  
CORPORATE SOURCE: Division of Medical Sciences and Fetal Medicine, University of Birmingham, Queen Elizabeth Hospital, Edgbaston, Birmingham B15 2TH, UK.  
SOURCE: Molecular human reproduction, (2003 Dec) 9 (12) 793-8.  
Journal code: 9513710. ISSN: 1360-9947.  
PUB. COUNTRY: England; United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200408  
ENTRY DATE: Entered STN: 20031119  
Last Updated on STN: 20040817  
Entered Medline: 20040816

L15 ANSWER 43 OF 241 MEDLINE on STN DUPLICATE 7  
ACCESSION NUMBER: 2003001306 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12507505  
TITLE: Identification of residues which regulate activity of the STE20-related **kinase** hMINK.  
AUTHOR: Lim Jaeseung; Lennard Andrew; Sheppard Paul W; Kellie Stuart  
CORPORATE SOURCE: Yamanouchi Research Institute, Littlemore Park, Oxford, OX4 4SX, UK.  
SOURCE: Biochemical and biophysical research communications, (2003 Jan 17) 300 (3) 694-8.  
Journal code: 0372516. ISSN: 0006-291X.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200302  
ENTRY DATE: Entered STN: 20030102  
Last Updated on STN: 20030215  
Entered Medline: 20030214

L15 ANSWER 44 OF 241 MEDLINE on STN DUPLICATE 8  
ACCESSION NUMBER: 2003003562 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12509453  
TITLE: The Ras/Raf/MEK/extracellular signal-regulated **kinase** pathway induces autocrine-paracrine growth inhibition via the leukemia inhibitory factor/JAK/STAT pathway.  
AUTHOR: Park Jong-In; Strock Christopher J; Ball Douglas W; Nelkin Barry D  
CORPORATE SOURCE: The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins. Department of Medicine, Johns Hopkins University School of Medicine, Baltimore, Maryland 21231, USA.  
CONTRACT NUMBER: R01-CA47480 (NCI)  
R01-CA70244 (NCI)

R01-CA85567 (NCI)

SOURCE: Molecular and cellular biology, (2003 Jan) 23 (2) 543-54.  
Journal code: 8109087. ISSN: 0270-7306.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200302  
ENTRY DATE: Entered STN: 20030103  
Last Updated on STN: 20030225  
Entered Medline: 20030224

L15 ANSWER 45 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:456013 HCAPLUS  
DOCUMENT NUMBER: 139:115529  
TITLE: Aurora2/BTAK/STK15 is involved in cell cycle  
checkpoint and cell survival of aggressive  
non-Hodgkin's lymphoma  
AUTHOR(S): Hamada, Makoto; Yakushijin, Yoshihiro; Ohtsuka,  
Masaki; Kakimoto, Miki; Yasukawa, Masaki; Fujita,  
Shigeru  
CORPORATE SOURCE: First Department of Internal Medicine, Ehime  
University School of Medicine, Ehime, Japan  
SOURCE: British Journal of Haematology (2003), 121(3), 439-447  
CODEN: BJHEAL; ISSN: 0007-1048  
PUBLISHER: Blackwell Publishing Ltd.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 46 OF 241 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN

ACCESSION NUMBER: 2003:184909 BIOSIS  
DOCUMENT NUMBER: PREV200300184909  
TITLE: c-Raf controlled pathways in the protection of tumor cells  
from apoptosis.  
AUTHOR(S): Slater, Emily P.; Stuebig, Thomas; Lau, Quek Choon;  
Achenbach, Tatjana V.; Rapp, Ulf R.; Mueller, Rolf [Reprint  
Author]  
CORPORATE SOURCE: Institut fuer Molekularbiologie und Tumorforschung (IMT),  
Emil-Mannkopff-Strasse 2, 35033, Marburg, Germany  
mueller@imt.uni-marburg.de  
SOURCE: International Journal of Cancer, (20 April 2003) Vol. 104,  
No. 4, pp. 425-432. print.  
CODEN: IJCNAW. ISSN: 0020-7136.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
ENTRY DATE: Entered STN: 9 Apr 2003  
Last Updated on STN: 9 Apr 2003

L15 ANSWER 47 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:198115 HCAPLUS  
DOCUMENT NUMBER: 138:367335  
TITLE: An LKB1-Interacting Protein Negatively Regulates  
TNF $\alpha$ -Induced NF- $\kappa$ B Activation  
AUTHOR(S): Liu, Wei-Kuang; Chien, Chia-Yi; Chou, Chen-Kung; Su,  
Jin-Yuan  
CORPORATE SOURCE: Department of Life Science, National Yang-Ming  
University, Taipei, 112, Taiwan  
SOURCE: Journal of Biomedical Science (Basel, Switzerland)  
(2003), 10(2), 242-252  
CODEN: JBCIEA; ISSN: 1021-7770  
PUBLISHER: S. Karger AG

DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 48 OF 241 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
RESERVED. on STN

ACCESSION NUMBER: 2004018074 EMBASE  
TITLE: Vasculogenesis and angiogenesis: Molecular and cellular  
controls: Part 1: Growth factors.  
AUTHOR: Kubis N.; Levy B.I.  
CORPORATE SOURCE: Dr. N. Kubis, Serv. d'Explor. Fonct. Multidiscipl., Pr Levy  
et Unite INSERM 541, Dr. Tedgui Hopital Lariboisiere, 2 rue  
Ambroise Pare, 75010 Paris, Italy. nathalie.kubis@lrb.ap-  
hop-paris.fr  
SOURCE: Interventional Neuroradiology, (2003) 9/3 (227-237).  
Refs: 44  
ISSN: 1123-9344 CODEN: INEUF5  
COUNTRY: Italy  
DOCUMENT TYPE: Journal; General Review  
FILE SEGMENT: 029 Clinical Biochemistry  
021 Developmental Biology and Teratology  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L15 ANSWER 49 OF 241 MEDLINE on STN

ACCESSION NUMBER: 2003027069 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12533834  
TITLE: Diversity in **expression** and prognostic  
significance of G1/S cyclins in **human** primary  
**lung carcinomas**.  
AUTHOR: Dobashi Yoh; Jiang Shi-Xu; Shoji Mitsuhiko; Morinaga  
Shojiroh; Kameya Toru  
CORPORATE SOURCE: Department of Pathology, Kitasato University School of  
Medicine, Kanagawa, Japan.. ydobashi@res.yamanashi-  
med.ac.jp  
SOURCE: Journal of pathology, (2003 Feb) 199 (2) 208-20.  
Journal code: 0204634. ISSN: 0022-3417.  
PUB. COUNTRY: England: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200303  
ENTRY DATE: Entered STN: 20030122  
Last Updated on STN: 20030304  
Entered Medline: 20030303

L15 ANSWER 50 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 2003:1047793 SCISEARCH  
THE GENUINE ARTICLE: 746MA  
TITLE: BRPK, a novel protein **kinase** showing increased  
**expression** in mouse cancer cell lines with higher  
metastatic potential  
AUTHOR: Nakajima A; Kataoka K; Hong M; Sakaguchi M; Huh N  
(Reprint)  
CORPORATE SOURCE: Okayama Univ, Grad Sch Med & Dent, Dept Cell Biol, Shikata  
Chou, Okayama 7008558, Japan (Reprint); Okayama Univ, Grad  
Sch Med & Dent, Dept Cell Biol, Okayama 7008558, Japan  
COUNTRY OF AUTHOR: Japan  
SOURCE: CANCER LETTERS, (25 NOV 2003) Vol. 201, No. 2, pp. 195-201  
  
Publisher: ELSEVIER SCI IRELAND LTD, CUSTOMER RELATIONS  
MANAGER, BAY 15, SHANNON INDUSTRIAL ESTATE CO, CLARE,

IRELAND.  
ISSN: 0304-3835.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 17  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 51 OF 241 MEDLINE on STN DUPLICATE 9  
ACCESSION NUMBER: 2003279414 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12729802  
TITLE: Noncatalytic domain of uPA stimulates **human** extravillous trophoblast migration by using phospholipase C, phosphatidylinositol 3-kinase and mitogen-activated protein kinase.  
AUTHOR: Liu Jessica; Chakraborty Chandan; Graham Charles H; Barbin Youssef P; Dixon S Jeffrey; Lala Peeyush K  
CORPORATE SOURCE: Department of Anatomy and Cell Biology, Medical Sciences Building, Faculty of Medicine and Dentistry, University of Western Ontario, London, Ontario, Canada N6A 5C1.  
SOURCE: Experimental cell research, (2003 May 15) 286 (1) 138-51. Journal code: 0373226. ISSN: 0014-4827.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200308  
ENTRY DATE: Entered STN: 20030617  
Last Updated on STN: 20030802  
Entered Medline: 20030801

L15 ANSWER 52 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2003432869 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12943673  
TITLE: Inhibition of glycogen phosphorylase (GP) by CP-91,149 induces growth inhibition correlating with brain GP **expression**.  
AUTHOR: Schnier Joachim B; Nishi Kayoko; Monks Anne; Gorin Fredric A; Bradbury E Morton  
CORPORATE SOURCE: Department of Biological Chemistry, Tupper Hall, University of California School of Medicine, Davis, CA 95616, USA.. jbschnier@ucdavis.edu  
CONTRACT NUMBER: 5R01 NS040489-03 (NINDS)  
SOURCE: Biochemical and biophysical research communications, (2003 Sep 12) 309 (1) 126-34. Journal code: 0372516. ISSN: 0006-291X.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200310  
ENTRY DATE: Entered STN: 20030917  
Last Updated on STN: 20031017  
Entered Medline: 20031016

L15 ANSWER 53 OF 241 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN  
ACCESSION NUMBER: 2004:167359 BIOSIS  
DOCUMENT NUMBER: PREV200400161642  
TITLE: Microvesicles derived from activated platelets: An under-appreciated modulator of the metastatic potential of tumor cells.  
AUTHOR(S): Janowska-Wieczorek, A. [Reprint Author]; Kijowski, J.; Marquez, L. A. [Reprint Author]; Ratajczak, J.; Ratajczak, M. Z.

CORPORATE SOURCE: Department of Medicine, University of Alberta and Canadian  
Blood Services, Edmonton, AB, Canada  
SOURCE: Blood, (November 16 2003) Vol. 102, No. 11, pp. 73b. print.  
Meeting Info.: 45th Annual Meeting of the American Society  
of Hematology. San Diego, CA, USA. December 06-09, 2003.  
American Society of Hematology.  
CODEN: BLOOAW. ISSN: 0006-4971.  
DOCUMENT TYPE: Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LANGUAGE: English  
ENTRY DATE: Entered STN: 24 Mar 2004  
Last Updated on STN: 24 Mar 2004

L15 ANSWER 54 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2002692723 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12455051  
TITLE: Protein phosphatase-2A restricts migration of Lewis  
lung carcinoma cells by modulating the  
phosphorylation of focal adhesion proteins.  
AUTHOR: Young M Rita I; Liu Shirley W; Meisinger Jeremy  
CORPORATE SOURCE: Research Service, Edward Hines, Jr. VA Hospital, Hines, IL  
60141, USA.  
CONTRACT NUMBER: CA-45080 (NCI)  
CA-79768 (NCI)  
CA-85266 (NCI)  
SOURCE: International journal of cancer. Journal international du  
cancer, (2003 Jan 1) 103 (1) 38-44.  
Journal code: 0042124. ISSN: 0020-7136.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200301  
ENTRY DATE: Entered STN: 20021214  
Last Updated on STN: 20030107  
Entered Medline: 20030106

L15 ANSWER 55 OF 241 MEDLINE on STN DUPLICATE 10  
ACCESSION NUMBER: 2003005878 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12511603  
TITLE: A central role for Ets-2 in the transcriptional regulation  
and cyclic adenosine 5'-monophosphate responsiveness of the  
human chorionic gonadotropin-beta subunit gene.  
AUTHOR: Ghosh Debjani; Ezashi Toshihiko; Ostrowski Michael C;  
Roberts R Michael  
CORPORATE SOURCE: Department of Animal Sciences, University of Missouri,  
Columbia, Missouri 65211-5300, USA.  
CONTRACT NUMBER: HD-21896 (NICHD)  
SOURCE: Molecular endocrinology (Baltimore, Md.), (2003 Jan) 17 (1)  
11-26.  
Journal code: 8801431. ISSN: 0888-8809.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200307  
ENTRY DATE: Entered STN: 20030105  
Last Updated on STN: 20030718  
Entered Medline: 20030717

L15 ANSWER 56 OF 241 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN  
ACCESSION NUMBER: 2002-17807 BIOTECHDS  
TITLE: Nucleic acid molecules encoding calcium/calmodulin-dependent  
protein kinases, useful for preventing diagnosing

and treating e.g. cancers, psoriasis and inflammation;  
**recombinant** protein production by  
vector-mediated gene transfer and **expression** in  
host cell, useful for gene therapy

AUTHOR: YE J; YAN C; DI FRANCESCO V; BEASLEY E M  
PATENT ASSIGNEE: PE CORP NY  
PATENT INFO: US 6387677 14 May 2002  
APPLICATION INFO: US 2001-800960 8 Mar 2001  
PRIORITY INFO: US 2001-800960 8 Mar 2001  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: WPI: 2002-478444 [51]

L15 ANSWER 57 OF 241 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN

ACCESSION NUMBER: 2003-03116 BIOTECHDS

TITLE: Novel isolated **serine/threonine**/tyrosine  
protein **kinase** polypeptide useful for treating or  
preventing disorder associated with decreased  
**expression** or activity of **human**  
**serine/threonine**/tyrosine protein  
**kinase**;  
**recombinant** protein production and sense and  
antisense sequence use in disease therapy and gene therapy

AUTHOR: GU Y; NGUYEN C  
PATENT ASSIGNEE: AEOMICA INC  
PATENT INFO: EP 1227156 31 Jul 2002  
APPLICATION INFO: EP 2002-1090 22 Jan 2002  
PRIORITY INFO: US 2001-335941 24 Oct 2001; WO 2001-665 30 Jan 2001  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: WPI: 2002-676578 [73]

L15 ANSWER 58 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:793831 HCAPLUS

DOCUMENT NUMBER: 137:305800

TITLE: Protein, gene and cDNA sequences of a novel  
**human** protein **kinase** related to  
**serine/threonine kinase**

INVENTOR(S): and their uses in drug screening  
Webster, Marion; Yan, Chunhua; Di Francesco,  
Valentina; Beasley, Ellen M.

PATENT ASSIGNEE(S): PE Corporation (NY), USA

SOURCE: PCT Int. Appl., 101 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002081727	A2	20021017	WO 2002-US10156	20020402
WO 2002081727	A3	20030710		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 6500656	B1	20021231	US 2001-873404	20010605



CA 2443685 AA 20021017 CA 2002-2443685 20020402  
 EP 1385865 A2 20040204 EP 2002-763884 20020402  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
 PRIORITY APPLN. INFO.: US 2001-824583 A 20010403  
 US 2001-873404 A 20010605  
 WO 2002-US10156 W 20020402

L15 ANSWER 59 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:285556 HCAPLUS  
 DOCUMENT NUMBER: 137:45438  
 TITLE: **Expressed** gene sets as markers for specific tumors  
 INVENTOR(S): Ramaswamy, Sridhar; Golub, Todd B.; Tamayo, Pablo; Angelo, Michael  
 PATENT ASSIGNEE(S): Whitehead Institute for Biomedical Research, USA; Dana-Farber Cancer Institute, Inc.  
 SOURCE: PCT Int. Appl., 715 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 4  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002024956	A2	20020328	WO 2001-XA29287	20010919
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
WO 2002024956	A2	20020328	WO 2001-US29287	20010919
WO 2002024956	C1	20030306		
WO 2002024956	A3	20030626		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRIORITY APPLN. INFO.:			US 2000-233534P	P 20000919
			US 2001-278749P	P 20010326
			WO 2001-US29287	W 20010919

L15 ANSWER 60 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:172058 HCAPLUS  
 DOCUMENT NUMBER: 136:227966  
 TITLE: Protein and cDNA sequences of **human** protein kinase sequence homologs and uses thereof in diagnosis, therapy and drug screening  
 INVENTOR(S): Friddle, Carl Johan; Hilbun, Erin; Nepomnichy, Boris; Hu, Yi  
 PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA  
 SOURCE: PCT Int. Appl., 46 pp.  
 CODEN: PIXXD2

DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002018555	A2	20020307	WO 2001-US26776	20010828
WO 2002018555	A3	20030227		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001085326	A5	20020313	AU 2001-85326	20010828
US 2002147320	A1	20021010	US 2001-940921	20010828
PRIORITY APPLN. INFO.:			US 2000-229280P	P 20000831
			WO 2001-US26776	W 20010828

L15 ANSWER 61 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2002:72748 HCAPLUS  
DOCUMENT NUMBER: 136:146104  
TITLE: **Human** stress genes identified using DNA microarrays  
INVENTOR(S): Chenchik, Alex; Lukashev, Matvey E.  
PATENT ASSIGNEE(S): Clontech, USA  
SOURCE: U.S. Pat. Appl. Publ., 57 pp., Cont.-in-part of U.S. Ser. No. 441,920.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002009730	A1	20020124	US 2001-782909	20010213
PRIORITY APPLN. INFO.:			US 1998-222256	B2 19981228
			US 1999-440305	B2 19991117
			US 1999-441920	A2 19991117

L15 ANSWER 62 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2003:1237 HCAPLUS  
DOCUMENT NUMBER: 138:51925  
TITLE: Identification, genomic and cDNA sequences and **cloning** of a **human serine/threonine kinase** sequence homolog  
INVENTOR(S): Webster, Marion; Yan, Chunhua; Di Francesco, Valentina; Beasley, Ellen  
PATENT ASSIGNEE(S): Applera Corporation, USA  
SOURCE: U.S., 86 pp., Cont.-in-part of U. S. Ser. No. 824,583, abandoned.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 6500656	B1	20021231	US 2001-873404	20010605
CA 2443685	AA	20021017	CA 2002-2443685	20020402
WO 2002081727	A2	20021017	WO 2002-US10156	20020402
WO 2002081727	A3	20030710		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1385865	A2	20040204	EP 2002-763884	20020402
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

US 2003022341	A1	20030130	US 2002-243735	20020916
US 6706510	B2	20040316		
US 2004142366	A1	20040722	US 2003-730010	20031209

PRIORITY APPLN. INFO.: US 2001-824583 B2 20010403  
US 2001-873404 A 20010605  
WO 2002-US10156 W 20020402  
US 2002-243735 A3 20020916

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 63 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:941845 HCAPLUS

DOCUMENT NUMBER: 138:21334

TITLE: Protein, gene and cDNA sequences of a novel  
**human protein kinase related to serine/threonine kinase**  
and their uses in drug screening

INVENTOR(S): Yan, Chunhua; Li, Zhenya; Neelam, Beena; Difrancesco, Valentina; Beasley, Ellen M.

PATENT ASSIGNEE(S): PE Corporation (Ny), USA

SOURCE: U.S., 107 pp.  
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6492156	B1	20021210	US 2001-984890	20011031
US 2003232408	A1	20031218	US 2002-274194	20021021
US 6706511	B2	20040316		
WO 2003038115	A2	20030508	WO 2002-US34869	20021031
WO 2003038115	A3	20040122		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1451310	A2	20040901	EP 2002-793863	20021031
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK

US 2004137499 A1 20040715 US 2004-760407 20040121  
 PRIORITY APPLN. INFO.: US 2001-984890 A3 20011031  
 US 2002-274194 A3 20021021  
 WO 2002-US34869 W 20021031  
 REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 64 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2002:937303 HCAPLUS  
 DOCUMENT NUMBER: 138:20443  
 TITLE: Endocrine disruptor screening using DNA chips of  
 endocrine disruptor-responsive genes  
 INVENTOR(S): Kondo, Akihiro; Takeda, Takeshi; Mizutani, Shigetoshi;  
 Tsujimoto, Yoshimasa; Takashima, Ryokichi; Enoki,  
 Yuki; Kato, Ikunoshin  
 PATENT ASSIGNEE(S): Takara Bio Inc., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 386 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002355079	A2	20021210	JP 2002-69354	20020313
PRIORITY APPLN. INFO.:			JP 2001-73183	A 20010314
			JP 2001-74993	A 20010315
			JP 2001-102519	A 20010330

L15 ANSWER 65 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 11  
 ACCESSION NUMBER: 2002:721486 HCAPLUS  
 DOCUMENT NUMBER: 138:265267  
 TITLE: Protein Kinase C- $\epsilon$  Promotes Survival  
 of Lung Cancer Cells by Suppressing Apoptosis through  
 Dysregulation of the Mitochondrial Caspasé Pathway  
 AUTHOR(S): Ding, Li; Wang, Heiman; Lang, Wenhua; Xiao, Lei  
 CORPORATE SOURCE: University of Florida Shands Cancer Center and  
 Department of Anatomy & Cell Biology, University of  
 Florida, Gainesville, FL, 32610, USA  
 SOURCE: Journal of Biological Chemistry (2002), 277(38),  
 35305-35313  
 CODEN: JBCHA3; ISSN: 0021-9258  
 PUBLISHER: American Society for Biochemistry and Molecular  
 Biology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 66 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2002:351441 HCAPLUS  
 DOCUMENT NUMBER: 137:152845  
 TITLE: CARD-8 protein, a new CARD family member that  
 regulates caspase-1 activation and apoptosis  
 AUTHOR(S): Razmara, Marjanah; Srinivasula, Srinivasa M.; Wang,  
 Lin; Poyet, Jean-Luc; Geddes, Brad J.; DiStefano,  
 Peter S.; Bertin, John; Alnemri, Emad S.  
 CORPORATE SOURCE: Center for Apoptosis Research and the Department of  
 Microbiology and Immunology, Kimmel Cancer Institute,  
 Thomas Jefferson University, Philadelphia, PA, 19107,  
 USA  
 SOURCE: Journal of Biological Chemistry (2002), 277(16),  
 13952-13958

CODEN: JBCHA3; ISSN: 0021-9258  
PUBLISHER: American Society for Biochemistry and Molecular  
Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 67 OF 241 MEDLINE on STN DUPLICATE 12  
ACCESSION NUMBER: 2002303920 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12045255  
TITLE: Pivotal role of the renin/prorenin receptor in angiotensin  
II production and cellular responses to renin.  
COMMENT: Comment in: Curr Hypertens Rep. 2003 Apr;5(2):98-9. PubMed  
ID: 12696559  
AUTHOR: Nguyen Genevieve; Delarue Francoise; Burckle Celine;  
Bouzhir Latifa; Giller Thomas; Sraer Jean-Daniel  
CORPORATE SOURCE: Institut National de la Sante et de la Recherche Medicale  
(INSERM) U489, and Association Claude Bernard, Hopital  
Tenon, Paris, France.. genevieve.nguyen@tnn.ap-hop-paris.fr  
SOURCE: Journal of clinical investigation, (2002 Jun) 109 (11)  
1417-27.  
Journal code: 7802877. ISSN: 0021-9738.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 200207  
ENTRY DATE: Entered STN: 20020605  
Last Updated on STN: 20020724  
Entered Medline: 20020701

L15 ANSWER 68 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2002:717557 HCAPLUS  
DOCUMENT NUMBER: 138:87145  
TITLE: Proapoptotic protein PACT is **expressed** at  
high levels in colonic epithelial cells in mice  
AUTHOR(S): Gupta, Vishal; Patel, Rekha C.  
CORPORATE SOURCE: Department of Biological Sciences, University of South  
Carolina, Columbia, SC, 29208, USA  
SOURCE: American Journal of Physiology (2002), 283(3, Pt. 1),  
G801-G808  
CODEN: AJPHAP; ISSN: 0002-9513  
PUBLISHER: American Physiological Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 69 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2002:37537 HCAPLUS  
DOCUMENT NUMBER: 136:292162  
TITLE: RGC-32 increases p34CDC2 **kinase** activity and  
entry of aortic smooth muscle cells into S-phase  
AUTHOR(S): Badea, Tudor; Niculescu, Florin; Soane, Lucian;  
Fosbrink, Matthew; Sorana, Hila; Rus, Violeta; Shin,  
Moon L.; Rus, Horea  
CORPORATE SOURCE: Department of Pathology, University of Maryland School  
of Medicine, Baltimore, MD, 21201, USA  
SOURCE: Journal of Biological Chemistry (2002), 277(1),  
502-508  
CODEN: JBCHA3; ISSN: 0021-9258  
PUBLISHER: American Society for Biochemistry and Molecular  
Biology

DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 70 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2002279369 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12020426  
TITLE: Ionizing radiation induces up-regulation of functional  
betal-integrin in human lung tumour cell lines in  
vitro.  
AUTHOR: Cordes N; Blaese M A; Meineke V; Van Beuningen D  
CORPORATE SOURCE: Institute of Radiobiology, Federal Armed Forces Medical  
Academy, Neuherbergstrasse 11, 80937 Munich, Germany..  
cordes@firemail.de  
SOURCE: International journal of radiation biology, (2002 May) 78  
(5) 347-57.  
Journal code: 8809243. ISSN: 0955-3002.  
PUB. COUNTRY: England: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals; Space Life Sciences  
ENTRY MONTH: 200206  
ENTRY DATE: Entered STN: 20020522  
Last Updated on STN: 20020618  
Entered Medline: 20020617

L15 ANSWER 71 OF 241 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
RESERVED. on STN  
ACCESSION NUMBER: 2002074315 EMBASE  
TITLE: Interleukin-7 receptor **expression** and activation  
in nonhaematopoietic neoplastic cell lines.  
AUTHOR: Cosenza L.; Gorgun G.; Urbano A.; Foss F.  
CORPORATE SOURCE: F. Foss, Department of Medicine, Division of Hematology,  
New England Medical Center, 750 Washington Street, Boston,  
MA 02111, United States. ffoss@lifespan.org  
SOURCE: Cellular Signalling, (2002) 14/4 (317-325).  
Refs: 33  
ISSN: 0898-6568 CODEN: CESIEY  
PUBLISHER IDENT.: S 0898-6568(01)00245-5  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 016 Cancer  
026 Immunology, Serology and Transplantation  
029 Clinical Biochemistry  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L15 ANSWER 72 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2002276139 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12017291  
TITLE: Enhanced casein **kinase** II (CK II) activity in  
human lung tumours.  
AUTHOR: Yaylim Ilhan; Isbir Turgay  
CORPORATE SOURCE: Institute of Experimental Medical Research, Department of  
Molecular Medicine, University of Istanbul, Turkey.  
SOURCE: Anticancer research, (2002 Jan-Feb) 22 (1A) 215-8.  
Journal code: 8102988. ISSN: 0250-7005.  
PUB. COUNTRY: Greece  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200206  
ENTRY DATE: Entered STN: 20020518

Last Updated on STN: 20020626  
Entered Medline: 20020625

L15 ANSWER 73 OF 241 MEDLINE on STN DUPLICATE 13  
ACCESSION NUMBER: 2002319718 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12063170  
TITLE: Distinct mechanisms of taxol-induced **serine**  
phosphorylation of the 66-kDa Shc isoform in A549 and RAW  
264.7 cells.  
AUTHOR: Yang Chia-Ping Huang; Horwitz Susan Band  
CORPORATE SOURCE: Department of Molecular Pharmacology, Albert Einstein  
College of Medicine, Bronx, NY 10461, USA.  
CONTRACT NUMBER: CA39821 (NCI)  
CA77263 (NCI)  
SOURCE: Biochimica et biophysica acta, (2002 Jun 12) 1590 (1-3)  
76-83.  
Journal code: 0217513. ISSN: 0006-3002.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200208  
ENTRY DATE: Entered STN: 20020614  
Last Updated on STN: 20020814  
Entered Medline: 20020813

L15 ANSWER 74 OF 241 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
RESERVED. on STN  
ACCESSION NUMBER: 2002211430 EMBASE  
TITLE: Distinct mechanisms of Taxol-induced **serine**  
phosphorylation of the 66-kDa Shc isoform in A549 and RAW  
264.7 cells.  
AUTHOR: Chia-Ping H.Y.; Horwitz S.B.  
CORPORATE SOURCE: S.B. Horwitz, Department of Molecular Pharmacology, Albert  
Einstein College of Medicine, Bronx, NY 10461, United  
States. shorwitz@aecom.yu.edu  
SOURCE: Biochimica et Biophysica Acta - Molecular Cell Research,  
(12 Jun 2002) 1590/1-3 (76-83).  
Refs: 36  
ISSN: 0167-4889 CODEN: BAMRDP  
PUBLISHER IDENT.: S 0167-4889(02)00200-8  
COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 029 Clinical Biochemistry  
037 Drug Literature Index  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L15 ANSWER 75 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN  
ACCESSION NUMBER: 2002:89743 SCISEARCH  
THE GENUINE ARTICLE: 514JV  
TITLE: Regulation of cell proliferation, apoptosis, and  
carcinogenesis by activin  
AUTHOR: Chen Y G; Lui H M; Lin S L; Lee J M; Ying S Y (Reprint)  
CORPORATE SOURCE: Univ So Calif, Keck Sch Med, Dept Cell & Neurobiol, 1333  
San Pablo St, BMT-401, Los Angeles, CA 90089 USA  
(Reprint); Univ So Calif, Keck Sch Med, Dept Cell &  
Neurobiol, Los Angeles, CA 90089 USA; Univ Calif  
Riverside, Div Biomed Sci, Riverside, CA 92521 USA;  
Epiclone Inc, Alhambra, CA 91801 USA  
COUNTRY OF AUTHOR: USA  
SOURCE: EXPERIMENTAL BIOLOGY AND MEDICINE, (FEB 2002) Vol. 227,  
No. 2, pp. 75-87.

Publisher: SOC EXPERIMENTAL BIOLOGY MEDICINE, 195 WEST  
SPRING VALLEY AVE, MAYWOOD, NJ 07607-1727 USA.  
ISSN: 0037-9727.

DOCUMENT TYPE: General Review; Journal  
LANGUAGE: English  
REFERENCE COUNT: 175

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 76 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2002348248 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12090757  
TITLE: Oncostatin M induces tissue-type plasminogen activator and  
plasminogen activator inhibitor-1 in Calu-1 lung  
carcinoma cells.  
AUTHOR: Spence Michael J; Streiff Raphael; Day Duane; Ma Yongsheng  
CORPORATE SOURCE: Department of Veterans Affairs Medical Center, Medical  
Research Service, Boise, ID 83702-4598, USA..  
myexpense@aol.com  
SOURCE: Cytokine, (2002 Apr 7) 18 (1) 26-34.  
Journal code: 9005353. ISSN: 1043-4666.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200302  
ENTRY DATE: Entered STN: 20020702  
Last Updated on STN: 20030222  
Entered Medline: 20030221

L15 ANSWER 77 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2001:868653 HCAPLUS  
DOCUMENT NUMBER: 136:15959  
TITLE: Nucleic acid encoding a human serine  
/threonine protein kinase and its  
screening and therapeutic uses  
INVENTOR(S): Wei, Ming-hi; Zhu, Shiaoping; Woodage, Trevor; Di  
Francesco, Valentina; Beasley, Ellen M.  
PATENT ASSIGNEE(S): Applera Corporation, USA  
SOURCE: PCT Int. Appl., 66 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001090328	A2	20011129	WO 2001-US16760	20010524
WO 2001090328	A3	20020718		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 6482935	B1	20021119	US 2000-691861	20001018
CA 2410081	AA	20011129	CA 2001-2410081	20010524
EP 1290185	A2	20030312	EP 2001-937689	20010524
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2003534008	T2	20031118	JP 2001-587124	20010524



US 2003022232	A1	20030130	US 2002-259740	20020930
PRIORITY APPLN. INFO.:			US 2000-206550P	P 20000524
			US 2000-691861	A 20001018
			WO 2001-US16760	W 20010524

L15 ANSWER 78 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:851391 HCAPLUS  
DOCUMENT NUMBER: 136:1716  
TITLE: Novel **human** protein kinase, its  
cDNA and genomic DNA, and uses thereof  
INVENTOR(S): Wei, Ming-Hui; Chandramouliswara, Ishwar; Ye, Jane;  
Ketchum, Karen A.; Di Francesco, Valentina; Beasley,  
Ellen M.  
PATENT ASSIGNEE(S): Applera Corporation, USA  
SOURCE: PCT Int. Appl., 65 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001088148	A2	20011122	WO 2001-US15776	20010517
WO 2001088148	A3	20031016		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 2002103116	A1	20020801	US 2000-734032	20001212
US 2002064851	A1	20020530	US 2001-816094	20010326
US 6534299	B2	20030318		
CA 2409148	AA	20011122	CA 2001-2409148	20010517
EP 1373516	A2	20040102	EP 2001-952118	20010517
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2004507223	T2	20040311	JP 2001-584530	20010517
PRIORITY APPLN. INFO.:			US 2000-205228P	P 20000517
			US 2000-734032	A 20001212
			US 2001-816094	A 20010326
			WO 2001-US15776	W 20010517

L15 ANSWER 79 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:618177 HCAPLUS  
DOCUMENT NUMBER: 135:191337  
TITLE: Protein and cDNA sequences of novel **human**  
**kinase** homologs and uses thereof in diagnosis,  
therapy and drug screening  
INVENTOR(S): Walke, D. Wade; Hu, Yi; Nepomnichy, Boris; Turner, C.  
Alexander, Jr.; Zambrowicz, Brian  
PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA  
SOURCE: PCT Int. Appl., 70 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001061016	A2	20010823	WO 2001-US5356	20010215
WO 2001061016	A3	20020207		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2400785	AA	20010823	CA 2001-2400785	20010215
US 2002038011	A1	20020328	US 2001-783320	20010215
EP 1257652	A2	20021120	EP 2001-912839	20010215
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2003531577	T2	20031028	JP 2001-559853	20010215
PRIORITY APPLN. INFO.:				
			US 2000-183582P	P 20000218
			US 2000-184014P	P 20000222
			WO 2001-US5356	W 20010215

L15 ANSWER 80 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:472763 HCAPLUS

DOCUMENT NUMBER: 135:87993

TITLE: Protein and cDNA of a **human serine /threonine protein kinase 52** and therapeutic use thereof

INVENTOR(S): Mao, Yumin; Xie, Yi

PATENT ASSIGNEE(S): Biowindow Gene Development Inc., Peop. Rep. China

SOURCE: PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001046239	A1	20010628	WO 2000-CN600	20001218
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CN 1300844	A	20010627	CN 1999-125672	19991222
AU 2001019866	A5	20010703	AU 2001-19866	20001218
PRIORITY APPLN. INFO.:				
			CN 1999-125672	A 19991222
			WO 2000-CN600	W 20001218
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L15 ANSWER 81 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:417006 HCAPLUS

DOCUMENT NUMBER: 135:29886

TITLE: Protein and cDNA of a **human protein kinase 9** and therapeutic use thereof

INVENTOR(S): Mao, Yumin; Xie, Yi

PATENT ASSIGNEE(S): Bioroad Gene Development Ltd. Shanghai, Peop. Rep.

SOURCE: China  
PCT Int. Appl., 36 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Chinese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001040298	A1	20010607	WO 2000-CN513	20001127
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CN 1298008	A	20010606	CN 1999-124171	19991130
PRIORITY APPLN. INFO.:			CN 1999-124171	A 19991130
REFERENCE COUNT:	2	THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L15 ANSWER 82 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2001:416993 HCAPLUS  
DOCUMENT NUMBER: 135:41807  
TITLE: Protein and cDNA of a **human protein kinase** 38 and therapeutic use thereof  
INVENTOR(S): Mao, Yumin; Xie, Yi  
PATENT ASSIGNEE(S): Bioroad Gene Development Ltd. Shanghai, Peop. Rep. China  
SOURCE: PCT Int. Appl., 41 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Chinese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001040285	A1	20010607	WO 2000-CN501	20001127
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CN 1298010	A	20010606	CN 1999-124161	19991130
PRIORITY APPLN. INFO.:			CN 1999-124161	A 19991130
REFERENCE COUNT:	2	THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L15 ANSWER 83 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2001:319936 HCAPLUS  
DOCUMENT NUMBER: 134:336709  
TITLE: **Cloning of cDNA for a human serine/threonine kinase** 29, its **expressing** and therapeutic use  
INVENTOR(S): Mao, Yumin; Xie, Yi

PATENT ASSIGNEE(S): Shanghai Bio Road Gene Development Ltd., Peop. Rep. China  
 SOURCE: PCT Int. Appl., 31 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Chinese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001030826	A1	20010503	WO 2000-CN392	20001027
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CN 1303945	A	20010718	CN 1999-119860	19991027
PRIORITY APPLN. INFO.:			CN 1999-119860	A 19991027
REFERENCE COUNT:	2	THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L15 ANSWER 84 OF 241 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

ACCESSION NUMBER: 2002:150859 BIOSIS  
 DOCUMENT NUMBER: PREV200200150859  
 TITLE: Osmotic shock induces G1 arrest through p53 phosphorylation at Ser33 by activated p38MAPK without phosphorylation at Ser15 and Ser20.  
 AUTHOR(S): Kishi, Hiroto; Nakagawa, Kazumi; Matsumoto, Mitsuhiro; Suga, Moritaka; Ando, Masayuki; Taya, Yoichi; Yamaizumi, Masaru [Reprint author]  
 CORPORATE SOURCE: Institute of Molecular Embryology and Genetics, Kumamoto University, Kuhonji 4-24-1, Kumamoto, 862-0976, Japan  
 yamaizm@gpo.kumamoto-u.ac.jp  
 SOURCE: Journal of Biological Chemistry, (October 19, 2001) Vol. 276, No. 42, pp. 39115-39122. print.  
 CODEN: JBCHA3. ISSN: 0021-9258.  
 DOCUMENT TYPE: Article  
 LANGUAGE: English  
 ENTRY DATE: Entered STN: 14 Feb 2002  
 Last Updated on STN: 26 Feb 2002

L15 ANSWER 85 OF 241 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

ACCESSION NUMBER: 2002:150826 BIOSIS  
 DOCUMENT NUMBER: PREV200200150826  
 TITLE: Identification of inhibitors of TRAIL-induced death (ITIDs) in the TRAIL-sensitive colon carcinoma cell line SW480 using a genetic approach.  
 AUTHOR(S): Burns, Timothy F.; El-Deiry, Wafik S. [Reprint author]  
 CORPORATE SOURCE: Laboratory of Molecular Oncology and Cell Cycle Regulation, University of Pennsylvania School of Medicine, Philadelphia, PA, 19104, USA  
 wafik@mail.med.upenn.edu  
 SOURCE: Journal of Biological Chemistry, (October 12, 2001) Vol. 276, No. 41, pp. 37879-37886. print.  
 CODEN: JBCHA3. ISSN: 0021-9258.  
 DOCUMENT TYPE: Article  
 LANGUAGE: English

ENTRY DATE: Entered STN: 14 Feb 2002  
Last Updated on STN: 26 Feb 2002

L15 ANSWER 86 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2001:694638 HCAPLUS  
DOCUMENT NUMBER: 136:18995  
TITLE: COP, a caspase recruitment domain-containing protein  
and inhibitor of caspase-1 activation processing  
AUTHOR(S): Lee, Sug Hyung; Stehlik, Christian; Reed, John C.  
CORPORATE SOURCE: Burnham Institute, La Jolla, CA, 92037, USA  
SOURCE: Journal of Biological Chemistry (2001), 276(37),  
34495-34500  
CODEN: JBCHA3; ISSN: 0021-9258  
PUBLISHER: American Society for Biochemistry and Molecular  
Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 87 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN  
ACCESSION NUMBER: 2001:648080 SCISEARCH  
THE GENUINE ARTICLE: 461BX  
TITLE: Insulin stimulates tyrosine phosphorylation and  
inactivation of protein-tyrosine phosphatase 1B in vivo  
AUTHOR: Tao J C; Malbon C C; Wang H Y (Reprint)  
CORPORATE SOURCE: SUNY Stony Brook, Med Ctr, Dept Physiol & Biophys, Physiol  
HSC, Stony Brook, NY 11794 USA (Reprint); SUNY Stony  
Brook, Med Ctr, Diabet & Metab Dis Res Program, Stony  
Brook, NY 11794 USA; SUNY Stony Brook, Med Ctr, Dept Mol  
Pharmacol, Stony Brook, NY 11794 USA  
COUNTRY OF AUTHOR: USA  
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (3 AUG 2001) Vol. 276,  
No. 31, pp. 29520-29525.  
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC,  
9650 ROCKVILLE PIKE, BETHESDA, MD 20814 USA.  
ISSN: 0021-9258.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 36  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 88 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2001276204 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 11359792  
TITLE: IkappaB kinase, a molecular target for inhibition  
by 4-hydroxy-2-nonenal.  
AUTHOR: Ji C; Kozak K R; Marnett L J  
CORPORATE SOURCE: Vanderbilt-Ingram Cancer Center and Center in Molecular  
Toxicology, Department of Biochemistry, Vanderbilt  
University School of Medicine, Nashville, Tennessee  
73232-0146, USA.  
CONTRACT NUMBER: CA47479 (NCI)  
SOURCE: Journal of biological chemistry, (2001 May 25) 276 (21)  
18223-8.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200107  
ENTRY DATE: Entered STN: 20010709  
Last Updated on STN: 20030105

Entered Medline: 20010705

L15 ANSWER 89 OF 241 MEDLINE on STN DUPLICATE 14  
ACCESSION NUMBER: 2001293697 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 11278563  
TITLE: Identification of a novel **human** tankyrase through  
its interaction with the adaptor protein Grb14.  
AUTHOR: Lyons R J; Deane R; Lynch D K; Ye Z S; Sanderson G M; Eyre  
H J; Sutherland G R; Daly R J  
CORPORATE SOURCE: Cancer Research Program, Garvan Institute of Medical  
Research, St. Vincent's Hospital, Sydney, New South Wales  
2010, Australia.  
SOURCE: Journal of biological chemistry, (2001 May 18) 276 (20)  
17172-80.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-AF329696  
ENTRY MONTH: 200107  
ENTRY DATE: Entered STN: 20010709  
Last Updated on STN: 20030105  
Entered Medline: 20010705

L15 ANSWER 90 OF 241 MEDLINE on STN DUPLICATE 15  
ACCESSION NUMBER: 2001562020 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 11641781  
TITLE: MST4, a new Ste20-related **kinase** that mediates  
cell growth and transformation via modulating ERK pathway.  
AUTHOR: Lin J L; Chen H C; Fang H I; Robinson D; Kung H J; Shih H M  
CORPORATE SOURCE: Division of Molecular and Genomic Medicine, National Health  
Research Institutes, 128, Sec2, Yen-Chiu-Yuan RD, Taipei  
11529, Taiwan.  
SOURCE: Oncogene, (2001 Oct 4) 20 (45) 6559-69.  
Journal code: 8711562. ISSN: 0950-9232.  
PUB. COUNTRY: England: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-AF231012  
ENTRY MONTH: 200111  
ENTRY DATE: Entered STN: 20011022  
Last Updated on STN: 20020420  
Entered Medline: 20011101

L15 ANSWER 91 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2001:662637 HCAPLUS  
DOCUMENT NUMBER: 136:132760  
TITLE: Tissue Distribution and Functional **Expression**  
of a cDNA Encoding a Novel Mixed Lineage  
**Kinase**  
AUTHOR(S): Bloem, Laura J.; Pickard, Todd R.; Acton, Susan;  
Donoghue, Mary; Beavis, Ronald C.; Knierman, Michael  
D.; Wang, Xushan  
CORPORATE SOURCE: Cardiovascular Discovery Research, Lilly Research  
Laboratories, Eli Lilly and Company, Indianapolis, IN,  
46285, USA  
SOURCE: Journal of Molecular and Cellular Cardiology (2001),  
33(9), 1739-1750  
CODEN: JMCDDY; ISSN: 0022-2828  
PUBLISHER: Academic Press  
DOCUMENT TYPE: Journal  
LANGUAGE: English

REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 92 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2001466286 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 11509733  
TITLE: Vascular abnormalities and deregulation of VEGF in Lkb1-deficient mice.  
AUTHOR: Ylikorkala A; Rossi D J; Korsisaari N; Luukko K; Alitalo K; Henkemeyer M; Makela T P  
CORPORATE SOURCE: Molecular and Cancer Biology Program, Haartman Institute and Biomedicum Helsinki, Post Office Box 63, University of Helsinki, Helsinki 00014, Finland.  
SOURCE: Science, (2001 Aug 17) 293 (5533) 1323-6.  
Journal code: 0404511. ISSN: 0036-8075.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200109  
ENTRY DATE: Entered STN: 20010821  
Last Updated on STN: 20020420  
Entered Medline: 20010906

L15 ANSWER 93 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2001551836 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 11598175  
TITLE: Immunohistochemical **expression** of cell cycle proteins E2F-1, Cdk-2, Cyclin E, p27(kip1), and Ki-67 in normal **placenta** and gestational trophoblastic disease.  
AUTHOR: Olvera M; Harris S; Amezcua C A; McCourty A; Rezk S; Koo C; Felix J C; Brynes R K  
CORPORATE SOURCE: Department of Pathology, Los Angeles County and University of Southern California Healthcare Network, Los Angeles, California, USA.  
SOURCE: Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc, (2001 Oct) 14 (10) 1036-42.  
Journal code: 8806605. ISSN: 0893-3952.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200112  
ENTRY DATE: Entered STN: 20011015  
Last Updated on STN: 20020122  
Entered Medline: 20011204

L15 ANSWER 94 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2001325002 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 11295034  
TITLE: **Expression** analysis and chromosome location of a novel gene (H11) associated with the growth of **human** melanoma cells.  
AUTHOR: Yu Y X; Heller A; Liehr T; Smith C C; Aurelian L  
CORPORATE SOURCE: Virology/Immunology Laboratories, Department of Pharmacology and Experimental Therapeutics, University of Maryland School of Medicine, Baltimore, MD 21201, USA.  
CONTRACT NUMBER: CA75453 (NCI)  
SOURCE: International journal of oncology, (2001 May) 18 (5) 905-11.  
Journal code: 9306042. ISSN: 1019-6439.  
PUB. COUNTRY: Greece

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200106  
ENTRY DATE: Entered STN: 20010611  
Last Updated on STN: 20020420  
Entered Medline: 20010607

L15 ANSWER 95 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2002056115 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 11773980  
TITLE: Simultaneous inhibition of Rac1 and IKK pathways sensitizes lung cancer cells to TNFalpha-mediated apoptosis.  
AUTHOR: Sanlioglu S; Luleci G; Thomas K W  
CORPORATE SOURCE: Department of Internal Medicine, College of Medicine, University of Iowa, Iowa City, Iowa 52242, USA..  
sanlioglus@mail.medicine.uiowa.edu  
CONTRACT NUMBER: ES-09607 (NIEHS)  
HL-60316 (NHLBI)  
P30 DK54759 (NIDDK)  
SOURCE: Cancer gene therapy, (2001 Nov) 8 (11) 897-905.  
Journal code: 9432230. ISSN: 0929-1903.  
PUB. COUNTRY: England: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200202  
ENTRY DATE: Entered STN: 20020125  
Last Updated on STN: 20020420  
Entered Medline: 20020214

L15 ANSWER 96 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2001161947 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 11259615  
TITLE: Cell-specific regulation of human aryl hydrocarbon receptor **expression** by transforming growth factor-beta(1).  
AUTHOR: Wolff S; Harper P A; Wong J M; Mostert V; Wang Y; Abel J  
CORPORATE SOURCE: Department of Experimental Toxicology, Medical Institute of Environmental Hygiene at the Heinrich-Heine-University, Dusseldorf, Germany.  
SOURCE: Molecular pharmacology, (2001 Apr) 59 (4) 716-24.  
Journal code: 0035623. ISSN: 0026-895X.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200104  
ENTRY DATE: Entered STN: 20010425  
Last Updated on STN: 20010425  
Entered Medline: 20010419

L15 ANSWER 97 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2001:497898 HCAPLUS  
DOCUMENT NUMBER: 135:255293  
TITLE: Identification and Characterization of a Novel **Human Testis-Specific Kinase** Substrate Gene Which Is Downregulated in Testicular Tumors  
AUTHOR(S): Scorilas, Andreas; Yousef, George M.; Jung, Klaus; Rajpert-De Meyts, Ewa; Carsten, Stephan; Diamandis, Eleftherios P.  
CORPORATE SOURCE: Department of Pathology and Laboratory Medicine, Mount Sinai Hospital, Toronto, ON, M5G 1X5, Can.



SOURCE: Biochemical and Biophysical Research Communications  
(2001), 285(2), 400-408  
CODEN: BBRCA9; ISSN: 0006-291X  
PUBLISHER: Academic Press  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 98 OF 241 MEDLINE on STN DUPLICATE 16  
ACCESSION NUMBER: 2001696205 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 11746980  
TITLE: Intron/exon organization and polymorphisms of the PLK3/PRK  
gene in **human lung carcinoma**  
cell lines.  
AUTHOR: Wiest J; Clark A M; Dai W  
CORPORATE SOURCE: Department of Environmental Health, University of  
Cincinnati, College of Medicine, Cincinnati, Ohio  
45267-0056, USA.. wiestjs@ucmail.uc.edu  
CONTRACT NUMBER: 5T32ES07250 (NIEHS)  
CA74299 (NCI)  
SOURCE: Genes, chromosomes & cancer, (2001 Dec) 32 (4) 384-9.  
Journal code: 9007329. ISSN: 1045-2257.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200201  
ENTRY DATE: Entered STN: 20011218  
Last Updated on STN: 20020420  
Entered Medline: 20020110

L15 ANSWER 99 OF 241 MEDLINE on STN DUPLICATE 17  
ACCESSION NUMBER: 2002612081 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12369935  
TITLE: Life and death in the **placenta**: new peptides and  
genes regulating **human** syncytiotrophoblast and  
extravillous cytotrophoblast lineage formation and renewal.  
AUTHOR: Morrish D W; Dakour J; Li H  
CORPORATE SOURCE: Department of Medicine, University of Alberta, 362 Heritage  
Medical Research Center, Edmonton, Alberta, T6G 2S2,  
Canada.. dmorrish@gpu.srv.ualberta.ca  
SOURCE: Current protein & peptide science, (2001 Sep) 2 (3) 245-59.  
Ref: 108  
Journal code: 100960529. ISSN: 1389-2037.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, ACADEMIC)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200212  
ENTRY DATE: Entered STN: 20021010  
Last Updated on STN: 20021217  
Entered Medline: 20021210

L15 ANSWER 100 OF 241 MEDLINE on STN DUPLICATE 18  
ACCESSION NUMBER: 2001169676 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 11267681  
TITLE: **Cloning and expression** of novel mosaic  
**serine** proteases with and without a transmembrane  
domain from **human** lung.  
AUTHOR: Kim D R; Sharmin S; Inoue M; Kido H  
CORPORATE SOURCE: Division of Enzyme Chemistry, Institute for Enzyme

Research, The University of Tokushima, 770-8503, Tokushima, Japan.  
SOURCE: Biochimica et biophysica acta, (2001 Mar 19) 1518 (1-2) 204-9.  
Journal code: 0217513. ISSN: 0006-3002.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-AB048796; GENBANK-AB048797  
ENTRY MONTH: 200106  
ENTRY DATE: Entered STN: 20010702  
Last Updated on STN: 20010702  
Entered Medline: 20010628

L15 ANSWER 101 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2001:309828 HCAPLUS  
DOCUMENT NUMBER: 135:74917  
TITLE: Gene **expression** profiling of cultured human bronchial epithelial and lung carcinoma cells  
AUTHOR(S): Hellmann, Gary M.; Fields, Wanda R.; Doolittle, David J.  
CORPORATE SOURCE: Biological Research, Bowman Gray Technical Center, R. J. Reynolds Tobacco Company, Winston-Salem, NC, 27102, USA  
SOURCE: Toxicological Sciences (2001), 61(1), 154-163  
CODEN: TOSCF2; ISSN: 1096-6080  
PUBLISHER: Oxford University Press  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 102 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2001:775265 HCAPLUS  
DOCUMENT NUMBER: 136:132090  
TITLE: Investigation of differentially **expressed** genes during the development of mouse cerebellum  
AUTHOR(S): Kagami, Yoshihiro; Furuichi, Teiichi  
CORPORATE SOURCE: Laboratory for Molecular Neurogenesis, Brain Science Institute, RIKEN, Wako, 351-0198, Japan  
SOURCE: Gene Expression Patterns (2001), 1(1), 39-59  
CODEN: GEPEAD; ISSN: 1567-133X  
PUBLISHER: Elsevier Science B.V.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 103 OF 241 MEDLINE on STN DUPLICATE 19  
ACCESSION NUMBER: 2001434353 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 11313698  
TITLE: DAP-**kinase**: from functional gene **cloning** to establishment of its role in apoptosis and cancer.  
AUTHOR: Cohen O; Kimchi A  
CORPORATE SOURCE: Department of Molecular Genetics, Weizmann Institute of Science, Rehovot 76100, Israel.  
SOURCE: Cell death and differentiation, (2001 Jan) 8 (1) 6-15.  
Ref: 39  
Journal code: 9437445. ISSN: 1350-9047.  
PUB. COUNTRY: England: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)

(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200108  
ENTRY DATE: Entered STN: 20010806  
Last Updated on STN: 20010806  
Entered Medline: 20010802

L15 ANSWER 104 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2001:520709 HCAPLUS  
DOCUMENT NUMBER: 136:212445  
TITLE: Characterization of two novel **human** small  
heat shock proteins: protein **kinase**-related  
HspB8 and testis-specific HspB9  
AUTHOR(S): Kappe, G.; Verschuure, P.; Philippsen, R. L. A.;  
Staalduinen, A. A.; Van de Boogaart, P.; Boelens, W.  
C.; De Jong, W. W.  
CORPORATE SOURCE: 161 Department of Biochemistry, University of  
Nijmegen, Nijmegen, 6500 HB, Neth.  
SOURCE: Biochimica et Biophysica Acta (2001), 1520(1), 1-6  
CODEN: BBACAQ; ISSN: 0006-3002  
PUBLISHER: Elsevier Science B.V.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 105 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2000:707342 HCAPLUS  
DOCUMENT NUMBER: 133:276328  
TITLE: Glucocorticoid receptor agonist and **serine**/  
**threonine** protein phosphatase 5 (PP5)  
inhibitor, and therapeutic use thereof  
INVENTOR(S): Honkanen, Richard E.  
PATENT ASSIGNEE(S): South Alabama Medical Science Foundation, USA  
SOURCE: PCT Int. Appl., 79 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000058523	A1	20001005	WO 2000-US8774	20000331
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6235891	B1	20010522	US 1999-282736	19990331
PRIORITY APPLN. INFO.:			US 1999-282736	A 19990331
REFERENCE COUNT:	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L15 ANSWER 106 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2000:441910 HCAPLUS  
DOCUMENT NUMBER: 133:86107  
TITLE: **Cloning, expression, sequence and**  
therapeutic applications of **human** Akt-3

INVENTOR(S): protein **kinase**  
 Masure, Stefan Leo Jozef; Richardson, Alan  
 PATENT ASSIGNEE(S): Janssen Pharmaceutica N.V., Belg.  
 SOURCE: PCT Int. Appl., 61 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000037613	A2	20000629	WO 1999-GB4311	19991217
WO 2000037613	A3	20001116		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2355834	AA	20000629	CA 1999-2355834	19991217
EP 1141326	A2	20011010	EP 1999-962361	19991217
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002535964	T2	20021029	JP 2000-589669	19991217
NZ 512933	A	20031128	NZ 1999-512933	19991217
AU 774718	B2	20040708	AU 2000-18732	19991217
PRIORITY APPLN. INFO.:			GB 1998-28375	A 19981222
			WO 1999-GB4311	W 19991217

L15 ANSWER 107 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2000:784328 HCAPLUS  
 DOCUMENT NUMBER: 133:345599  
 TITLE: Molecules of the **human KID-1-related serine/threonine protein kinase** family and their uses  
 INVENTOR(S): Kapeller, Rosana  
 PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc., USA  
 SOURCE: U.S., 39 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6143540	A	20001107	US 1999-237543	19990126
US 6383791	B1	20020507	US 2000-644450	20000823
US 2002115120	A1	20020822	US 2001-971791	20011004
PRIORITY APPLN. INFO.:			US 1999-237543	A3 19990126
			US 2000-644450	A2 20000823
REFERENCE COUNT:	3	THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L15 ANSWER 108 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2000:155201 HCAPLUS  
 DOCUMENT NUMBER: 132:204847  
 TITLE: Nucleic acid encoding **human STE20-like signal transduction serine/threonine kinase**

INVENTOR(S): Norris, Tyrrell Errick; Moore, William Craig;  
 Silberstein, David Shay  
 PATENT ASSIGNEE(S): Zeneca Limited, UK  
 SOURCE: U.S., 30 pp., Cont.-in-part of U.S. Ser. No. 211,930.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6034228	A	20000307	US 1999-340993	19990625
US 5962265	A	19991005	US 1998-211930	19981215
US 6300098	B1	20011009	US 1999-468442	19991221
PRIORITY APPLN. INFO.:			US 1998-211930	A2 19981215
			GB 1997-26851	A 19971219
			US 1999-340993	A3 19990625

REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 109 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2001:24489 HCAPLUS  
 DOCUMENT NUMBER: 134:111249  
 TITLE: Protein and cDNA sequences of a novel human  
 protein nek4 and uses thereof  
 INVENTOR(S): Yu, Long; Tu, Qiang; Zhao, Yong; Fu, Qiang; Zhang,  
 Honglai  
 PATENT ASSIGNEE(S): Fudan Univ., Peop. Rep. China  
 SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 23 pp.  
 CODEN: CNXXEV  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Chinese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1255547	A	20000607	CN 1998-123056	19981201
PRIORITY APPLN. INFO.:			CN 1998-123056	19981201

L15 ANSWER 110 OF 241 MEDLINE on STN  
 ACCESSION NUMBER: 2000309791 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 10748018  
 TITLE: Phosphorylation of myosin light chain kinase by  
 p21-activated kinase PAK2.  
 AUTHOR: Goeckeler Z M; Masaracchia R A; Zeng Q; Chew T L; Gallagher  
 P; Wysolmerski R B  
 CORPORATE SOURCE: Departments of Pathology and Anesthesiology, St. Louis  
 University School of Medicine, St. Louis, Missouri  
 63104-1028, USA.  
 CONTRACT NUMBER: HL-45788 (NHLBI)  
 HL-54245 (NHLBI)  
 HL-61952 (NHLBI)  
 +  
 SOURCE: Journal of biological chemistry, (2000 Jun 16) 275 (24)  
 18366-74.  
 Journal code: 2985121R. ISSN: 0021-9258.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200007  
 ENTRY DATE: Entered STN: 20000728

Last Updated on STN: 20020420  
Entered Medline: 20000720

L15 ANSWER 111 OF 241 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN

ACCESSION NUMBER: 2000:351177 BIOSIS  
DOCUMENT NUMBER: PREV200000351177  
TITLE: Activation of MST/Krs and c-Jun N-terminal **kinases**  
by different signaling pathways during cytotrienin  
A-induced apoptosis.  
AUTHOR(S): Watabe, Masahiko; Kakeya, Hideaki; Onose, Rie; Osada,  
Hiroyuki [Reprint author]  
CORPORATE SOURCE: Antibiotics Laboratory, Institute of Physical and Chemical  
Research (RIKEN), 2-1 Hirosawa, Wako-shi, Saitama,  
351-0198, Japan  
SOURCE: Journal of Biological Chemistry, (March 24, 2000) Vol. 275,  
No. 12, pp. 8766-8771. print.  
CODEN: JBCHA3. ISSN: 0021-9258.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
ENTRY DATE: Entered STN: 16 Aug 2000  
Last Updated on STN: 8 Jan 2002

L15 ANSWER 112 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 2000:227315 SCISEARCH  
THE GENUINE ARTICLE: 294LT  
TITLE: Purification and characterization of ATM from  
**human placenta** - A manganese-dependent,  
wortmannin-sensitive **serine/threonine**  
protein **kinase**  
AUTHOR: Chan D W; Son S C; Block W; Ye R Q; Khanna K K; Wold M S;  
Douglas P; Goodarzi A A; Pelley J; Taya Y; Lavin M F;  
LeesMiller S P (Reprint)  
CORPORATE SOURCE: UNIV CALGARY, DEPT BIOL SCI, 2500 UNIV DR 1 NW, CALGARY,  
AB T2N 1N4, CANADA (Reprint); UNIV CALGARY, DEPT BIOL SCI,  
CALGARY, AB T2N 1N4, CANADA; PO ROYAL BRISBANE HOSP,  
QUEENSLAND INST MED RES, BRISBANE, QLD 4029, AUSTRALIA;  
UNIV IOWA, COLL MED, DEPT BIOCHEM, IOWA CITY, IA; NATL  
CANC CTR, RES INST, CHUO KU, TOKYO 104, JAPAN  
COUNTRY OF AUTHOR: CANADA; AUSTRALIA; USA; JAPAN  
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (17 MAR 2000) Vol. 275,  
No. 11, pp. 7803-7810.  
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC,  
9650 ROCKVILLE PIKE, BETHESDA, MD 20814.  
ISSN: 0021-9258.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 42  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 113 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 2000:752689 SCISEARCH  
THE GENUINE ARTICLE: 358GQ  
TITLE: Taxol mediates **serine** phosphorylation of the  
66-kDa Shc isoform  
AUTHOR: Yang C P H; Horwitz S B (Reprint)  
CORPORATE SOURCE: YESHIVA UNIV ALBERT EINSTEIN COLL MED, DEPT MOL PHARMACOL,  
1300 MORRIS PK AVE, BRONX, NY 10461 (Reprint); YESHIVA  
UNIV ALBERT EINSTEIN COLL MED, DEPT MOL PHARMACOL, BRONX,  
NY 10461  
COUNTRY OF AUTHOR: USA

SOURCE: CANCER RESEARCH, (15 SEP 2000) Vol. 60, No. 18, pp.  
5171-5178.  
Publisher: AMER ASSOC CANCER RESEARCH, PO BOX 11806,  
BIRMINGHAM, AL 35202.  
ISSN: 0008-5472.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE; CLIN  
LANGUAGE: English  
REFERENCE COUNT: 56

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 114 OF 241 MEDLINE on STN DUPLICATE 20  
ACCESSION NUMBER: 2000266337 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 10779557  
TITLE: Characterization of PDZ-binding **kinase**, a mitotic  
**kinase**.  
AUTHOR: Gaudet S; Branton D; Lue R A  
CORPORATE SOURCE: Department of Molecular and Cellular Biology, Harvard  
University, 16 Divinity Avenue, Cambridge, MA 02138, USA.  
CONTRACT NUMBER: GM57314-02 (NIGMS)  
SOURCE: Proceedings of the National Academy of Sciences of the  
United States of America, (2000 May 9) 97 (10) 5167-72.  
Journal code: 7505876. ISSN: 0027-8424.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-AF189722  
ENTRY MONTH: 200006  
ENTRY DATE: Entered STN: 20000622  
Last Updated on STN: 20020420  
Entered Medline: 20000613

L15 ANSWER 115 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2000:763580 HCAPLUS  
DOCUMENT NUMBER: 134:83956  
TITLE: Adhesion induced **expression** of the  
**serine/threonine kinase**  
**Fnk** in **human** macrophages  
AUTHOR(S): Holtrich, Uwe; Wolf, Georg; Yuan, Juping;  
Bereiter-Hahn, Jurgen; Karn, Thomas; Weiler, Markus;  
Kauselmann, Gunther; Rehli, Michael; Andreesen,  
Reinhard; Kaufmann, Manfred; Kuhl, Dietmar;  
Strebhardt, Klaus  
CORPORATE SOURCE: Department of Obstetrics and Gynecology, J.W.  
Goethe-University, Frankfurt, D-60590, Germany  
SOURCE: Oncogene (2000), 19(42), 4832-4839  
CODEN: ONCNES; ISSN: 0950-9232  
PUBLISHER: Nature Publishing Group  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 116 OF 241 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
RESERVED. on STN  
ACCESSION NUMBER: 2000041608 EMBASE  
TITLE: **Serine/threonine** protein phosphatase  
type 1 $\gamma$ 1 is required for the completion of  
cytokinesis in **human A549 lung**  
**carcinoma** cells.  
AUTHOR: Cheng A.; Dean N.M.; Honkanen R.E.  
CORPORATE SOURCE: R.E. Honkanen, Dept. of Biochemistry/Molec. Biol., MSB  
2198, University of South Alabama, Mobile, AL 36688, United

SOURCE: States. honkanen@sungcg.usouthal.edu  
Journal of Biological Chemistry, (21 Jan 2000) 275/3  
(1846-1854).  
Refs: 47  
ISSN: 0021-9258 CODEN: JBCHA3  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 016 Cancer  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L15 ANSWER 117 OF 241 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
RESERVED. on STN

ACCESSION NUMBER: 2000389713 EMBASE  
TITLE: Antisense and therapeutic oligonucleotides: Toward a  
gene-targeting cancer clinic.  
AUTHOR: Cho-Chung Y.S.  
CORPORATE SOURCE: Y.S. Cho-Chung, Cellular Biochemistry Section, Lab. of  
Tumour Immunology/Biology, National Cancer Institute, 9000  
Rockville Pike, Bethesda, MD 20892, United States.  
chochung@helix.nih.gov  
SOURCE: Expert Opinion on Therapeutic Patents, (2000) 10/11  
(1711-1724).  
Refs: 164  
ISSN: 1354-3776 CODEN: EOTPEG  
COUNTRY: United Kingdom  
DOCUMENT TYPE: Journal; General Review  
FILE SEGMENT: 016 Cancer  
022 Human Genetics  
030 Pharmacology  
037 Drug Literature Index  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L15 ANSWER 118 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2000:222811 HCAPLUS  
DOCUMENT NUMBER: 133:2906  
TITLE: A protein **kinase** C-independent pathway  
leading to c-jun-dependent **expression** of  
100-kDa ras GTPase-activating protein in JEG-3  
**human** choriocarcinoma cells  
AUTHOR(S): Ye, Fei; Bourgeade, Marie-Francoise; Cayre, Yvon E.;  
Thang, Ming.Nguy  
CORPORATE SOURCE: Institut National de la Sante et de la Recherche  
Medicale (INSERM) U. 417, Hopital Saint-Antoine,  
Paris, 75012, Fr.  
SOURCE: European Journal of Biochemistry (2000), 267(6),  
1589-1597  
CODEN: EJBCAI; ISSN: 0014-2956  
PUBLISHER: Blackwell Science Ltd.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 119 OF 241 MEDLINE on STN

ACCESSION NUMBER: 2000231551 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 10767348  
TITLE: Analysis of ALK-1 and endoglin in newborns from families  
with hereditary hemorrhagic telangiectasia type 2.  
AUTHOR: Abdalla S A; Pece-Barbara N; Vera S; Tapia E; Paez E;  
Bernabeu C; Letarte M  
CORPORATE SOURCE: Cancer and Blood Research Programme, The Hospital for Sick  
Children, and Department of Immunology, University of



Toronto, Toronto M5G 1X8, Canada.  
SOURCE: Human molecular genetics, (2000 May 1) 9 (8) 1227-37.  
Journal code: 9208958. ISSN: 0964-6906.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200006  
ENTRY DATE: Entered STN: 20000706  
Last Updated on STN: 20000706  
Entered Medline: 20000623

L15 ANSWER 120 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 2000:333891 SCISEARCH  
THE GENUINE ARTICLE: 307XL  
TITLE: Activin a in JEG-3 cells: Potential role as an autocrine  
regulator of steroidogenesis in **humans**  
AUTHOR: Ni X Y; Luo S A; Minegishi T; Peng C (Reprint)  
CORPORATE SOURCE: YORK UNIV, DEPT BIOL, 4700 KEELE ST, TORONTO, ON M3J 1P3,  
CANADA (Reprint); YORK UNIV, DEPT BIOL, TORONTO, ON M3J  
1P3, CANADA; GUNMA UNIV, DEPT OBSTET & GYNECOL, MAEBASHI,  
GUMMA 371, JAPAN  
COUNTRY OF AUTHOR: CANADA; JAPAN  
SOURCE: BIOLOGY OF REPRODUCTION, (MAY 2000) Vol. 62, No. 5, pp.  
1224-1230.  
Publisher: SOC STUDY REPRODUCTION, 1603 MONROE ST,  
MADISON, WI 53711-2021.  
ISSN: 0006-3363.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 50  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 121 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 2000:897831 SCISEARCH  
THE GENUINE ARTICLE: 376HD  
TITLE: The **expression**, regulation and signal  
transduction pathways of the mammalian  
gonadotropin-releasing hormone receptor  
AUTHOR: Cheng K W; Leung P C K (Reprint)  
CORPORATE SOURCE: UNIV BRITISH COLUMBIA, DEPT OBSTET & GYNAECOL, 4490 OAK  
ST, VANCOUVER, BC V6H 3V5, CANADA (Reprint); UNIV BRITISH  
COLUMBIA, DEPT OBSTET & GYNAECOL, VANCOUVER, BC V6H 3V5,  
CANADA  
COUNTRY OF AUTHOR: CANADA  
SOURCE: CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY, (DEC 2000  
)  
Vol. 78, No. 12, pp. 1029-1052.  
Publisher: NATL RESEARCH COUNCIL CANADA, RESEARCH  
JOURNALS, MONTREAL RD, OTTAWA ON K1A 0R6, CANADA.  
ISSN: 0008-4212.  
DOCUMENT TYPE: General Review; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 315  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 122 OF 241 MEDLINE on STN DUPLICATE 21

ACCESSION NUMBER: 2000164463 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 10698937  
TITLE: TIP30 has an intrinsic **kinase** activity required  
for up-regulation of a subset of apoptotic genes.

AUTHOR: Xiao H; Palhan V; Yang Y; Roeder R G  
CORPORATE SOURCE: Laboratory of Biochemistry, The Rockefeller University, New York, NY 10021, USA.  
CONTRACT NUMBER: AI37327 (NIAID)  
SOURCE: EMBO journal, (2000 Mar 1) 19 (5) 956-63.  
Journal code: 8208664. ISSN: 0261-4189.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals; AIDS  
ENTRY MONTH: 200004  
ENTRY DATE: Entered STN: 20000505  
Last Updated on STN: 20000505  
Entered Medline: 20000426

L15 ANSWER 123 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN DUPLICATE 22

ACCESSION NUMBER: 2000:901926 SCISEARCH  
THE GENUINE ARTICLE: 376JC  
TITLE: Regulation of protein **kinase** C in A-549 cells by phorbol ester  
AUTHOR: Chen J S (Reprint); Chai M Q; Song J G  
CORPORATE SOURCE: CHINESE ACAD SCI, SHANGHAI INST BIOCHEM, SHANGHAI INST BIOL SCI, STATE KEY LAB MOL BIOL, SHANGHAI 200031, PEOPLES R CHINA  
COUNTRY OF AUTHOR: PEOPLES R CHINA  
SOURCE: ACTA BIOCHIMICA ET BIOPHYSICA SINICA, (NOV 2000) Vol. 32, No. 6, pp. 645-648.  
Publisher: SHANGHAI INST BIOCHEMISTRY, ACADEMIA SINICA, 320 YUE-YANG ROAD, SHANGHAI 20031, PEOPLES R CHINA.  
ISSN: 0582-9879.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: Chinese  
REFERENCE COUNT: 23  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 124 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2000:813311 HCAPLUS  
DOCUMENT NUMBER: 134:69549  
TITLE: **Cloning** of hHRI, human heme-regulated eukaryotic initiation factor 2 $\alpha$  **kinase**: down-regulated in epithelial ovarian cancers  
AUTHOR(S): Hwang, Sun-Young; Kim, Moon-Kyu; Kim, Jung-Chul  
CORPORATE SOURCE: Department of Immunology, Kyungpook National University School of Medicine, Taegu, 700-422, S. Korea  
SOURCE: Molecules and Cells (2000), 10(5), 584-591  
CODEN: MOCEEK; ISSN: 1016-8478  
PUBLISHER: Springer-Verlag Singapore Pte. Ltd.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 125 OF 241 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN  
ACCESSION NUMBER: 2001:324417 BIOSIS  
DOCUMENT NUMBER: PREV200100324417  
TITLE: Identification of MLA1 a member of a novel family of adaptor and scaffold genes **expressed** in myeloma and leukemias.  
AUTHOR(S): Claudio, Jaime [Reprint author]; Falcioni, Nathan [Reprint author]; Zhu, Yuan Xiao [Reprint author]; Stewart, A. Keith

[Reprint author]  
CORPORATE SOURCE: Experimental Therapeutics, University Health Network,  
Toronto, ON, Canada  
SOURCE: Blood, (November 16, 2000) Vol. 96, No. 11 Part 1, pp.  
472a. print.  
Meeting Info.: 42nd Annual Meeting of the American Society  
of Hematology. San Francisco, California, USA. December  
01-05, 2000. American Society of Hematology.  
CODEN: BLOOAW. ISSN: 0006-4971.  
DOCUMENT TYPE: Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LANGUAGE: English  
ENTRY DATE: Entered STN: 11 Jul 2001  
Last Updated on STN: 19 Feb 2002

L15 ANSWER 126 OF 241 MEDLINE on STN DUPLICATE 23  
ACCESSION NUMBER: 2000129056 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 10667594  
TITLE: A dominant role for the c-Jun NH2-terminal kinase  
in oncogenic ras-induced morphologic transformation of  
human lung carcinoma cells.  
AUTHOR: Xiao L; Lang W  
CORPORATE SOURCE: Sealy Center for Oncology and Hematology, University of  
Texas Medical Branch at Galveston, 77555, USA..  
lxiao@utmb.edu  
SOURCE: Cancer research, (2000 Jan 15) 60 (2) 400-8.  
Journal code: 2984705R. ISSN: 0008-5472.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200002  
ENTRY DATE: Entered STN: 20000314  
Last Updated on STN: 20000314  
Entered Medline: 20000228

L15 ANSWER 127 OF 241 MEDLINE on STN DUPLICATE 24  
ACCESSION NUMBER: 2000146287 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 10679924  
TITLE: PRK, a cell cycle gene localized to 8p21, is downregulated  
in head and neck cancer.  
AUTHOR: Dai W; Li Y; Ouyang B; Pan H; Reissmann P; Li J; Wiest J;  
Stambrook P; Gluckman J L; Noffsinger A; Bejarano P  
CORPORATE SOURCE: Division of Hematology/Oncology, Department of Internal  
Medicine, University of Cincinnati College of Medicine,  
Cincinnati, Ohio 45267, USA.. wei.dai@uc.edu  
CONTRACT NUMBER: RO1CA74299 (NCI)  
SOURCE: Genes, chromosomes & cancer, (2000 Mar) 27 (3) 332-6.  
Journal code: 9007329. ISSN: 1045-2257.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200003  
ENTRY DATE: Entered STN: 20000320  
Last Updated on STN: 20020420  
Entered Medline: 20000309

L15 ANSWER 128 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2000094808 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 10629089  
TITLE: Molecular determinants of UCN-01-induced growth inhibition  
in human lung cancer cells.  
AUTHOR: Usuda J; Saijo N; Fukuoka K; Fukumoto H; Kuh H J; Nakamura

CORPORATE SOURCE: T; Koh Y; Suzuki T; Koizumi F; Tamura T; Kato H; Nishio K  
Division of Pharmacology, National Cancer Center Research  
Institute, Tokyo, Japan.  
SOURCE: International journal of cancer. Journal international du  
cancer, (2000 Jan 15) 85 (2) 275-80.  
Journal code: 0042124. ISSN: 0020-7136.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200002  
ENTRY DATE: Entered STN: 20000209  
Last Updated on STN: 20000209  
Entered Medline: 20000201

L15 ANSWER 129 OF 241 MEDLINE on STN DUPLICATE 25  
ACCESSION NUMBER: 2000395223 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 10771023  
TITLE: Interaction of tobacco-specific toxicants with the neuronal  
alpha(7) nicotinic acetylcholine receptor and its  
associated mitogenic signal transduction pathway: potential  
role in lung carcinogenesis and pediatric lung disorders.  
AUTHOR: Schuller H M; Jull B A; Sheppard B J; Plummer H K  
CORPORATE SOURCE: Carcinogenesis and Developmental Therapeutics Program,  
College of Veterinary Medicine, University of Tennessee,  
Knoxville 37909-1071, USA.  
CONTRACT NUMBER: CA51211 (NCI)  
SOURCE: European journal of pharmacology, (2000 Mar 30) 393 (1-3)  
265-77.  
Journal code: 1254354. ISSN: 0014-2999.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200008  
ENTRY DATE: Entered STN: 20000824  
Last Updated on STN: 20000824  
Entered Medline: 20000811

L15 ANSWER 130 OF 241 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
RESERVED. on STN DUPLICATE 26  
ACCESSION NUMBER: 2000320034 EMBASE  
TITLE: Activins and their receptors in female reproduction.  
AUTHOR: Peng C.; Mukai S.T.  
CORPORATE SOURCE: C. Peng, Department of Biology, York University, 4700 Keele  
Street, Toronto, Ont. M3J 1P3, Canada. cpeng@yorku.ca  
SOURCE: Biochemistry and Cell Biology, (2000) 78/3 (261-279).  
Refs: 263  
ISSN: 0829-8211 CODEN: BCBIEQ  
COUNTRY: Canada  
DOCUMENT TYPE: Journal; Conference Article  
FILE SEGMENT: 003 Endocrinology  
010 Obstetrics and Gynecology  
029 Clinical Biochemistry  
LANGUAGE: English  
SUMMARY LANGUAGE: English; French

L15 ANSWER 131 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 2001106164 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 11112354  
TITLE: Molecular cloning, genomic organization, and  
mapping of PRKAG2, a heart abundant gamma2 subunit of  
5'-AMP-activated protein kinase, to human  
chromosome 7q36.

AUTHOR: Lang T; Yu L; Tu Q; Jiang J; Chen Z; Xin Y; Liu G; Zhao S  
CORPORATE SOURCE: State Key Laboratory of Genetic Engineering, Institute of  
Genetics, School of Life Science, Fudan University, 220  
Handan Road, Shanghai, 200433, People's Republic of China.  
SOURCE: Genomics, (2000 Dec 1) 70 (2) 258-63.  
Journal code: 8800135. ISSN: 0888-7543.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-AF087875  
ENTRY MONTH: 200102  
ENTRY DATE: Entered STN: 20010322  
Last Updated on STN: 20010322  
Entered Medline: 20010208

L15 ANSWER 132 OF 241 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
RESERVED. on STN

ACCESSION NUMBER: 2000070150 EMBASE  
TITLE: Molecular **cloning** and characterization of a novel  
**human STE20-like kinase**, hSLK.  
AUTHOR: Yamada E.; Tsujikawa K.; Itoh S.; Kameda Y.; Kohama Y.;  
Yamamoto H.  
CORPORATE SOURCE: K. Tsujikawa, Department of Immunology, Graduate Sch.  
Pharmaceutical Sci., Osaka University, 1-6 Yamadaok, Suita,  
Osaka 565-0871, Japan. tsujikawa@phs.osaka-u.ac.jp  
SOURCE: Biochimica et Biophysica Acta - Molecular Cell Research,  
(2000) 1495/3 (250-262).  
Refs: 51  
ISSN: 0167-4889 CODEN: BAMRDP  
PUBLISHER IDENT.: S 0167-4889(99)00164-0  
COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 029 Clinical Biochemistry  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L15 ANSWER 133 OF 241 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
RESERVED. on STN

ACCESSION NUMBER: 2000394887 EMBASE  
TITLE: Polyamine drug inhibition of the proliferation of a small  
cell lung cancer cell line NIH-H82 with amplified myc  
oncogene.  
AUTHOR: Atac B.; Sayilir C.; Demirpence E.; Criss W.E.  
CORPORATE SOURCE: B. Atac, Department of Molecular Biology, Baskent  
University Medical School, Ankara, Turkey  
SOURCE: Turkish Journal of Cancer, (2000) 30/3 (97-104).  
Refs: 35  
ISSN: 1019-3103 CODEN: TJCAFH  
COUNTRY: Turkey  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 015 Chest Diseases, Thoracic Surgery and Tuberculosis  
016 Cancer  
037 Drug Literature Index  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L15 ANSWER 134 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1999:238330 HCAPLUS  
DOCUMENT NUMBER: 130:322329  
TITLE: **Cloning** of cDNA for **serine/**  
**threonine kinase** ZIP from  
**human** and mice  
INVENTOR(S): Banra, Shizuo; Kawai, Taro

PATENT ASSIGNEE(S): Foundation for Scientific Technology Promotion, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 19 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11098984	A2	19990413	JP 1997-261589	19970926
US 5958748	A	19990928	US 1998-159385	19980923
EP 911408	A2	19990428	EP 1998-307747	19980924
EP 911408	A3	20000126		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CA 2244928	AA	19990326	CA 1998-2244928	19980925
CA 2244928	C	20020528		
US 6171841	B1	20010109	US 1998-186277	19981105
PRIORITY APPLN. INFO.:			JP 1997-261589	A 19970926
			US 1998-159385	A3 19980923

L15 ANSWER 135 OF 241 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

ACCESSION NUMBER: 1999:367395 BIOSIS  
 DOCUMENT NUMBER: PREV199900367395  
 TITLE: Ser/Thr protein phosphatase type 5 (PP5) is a negative regulator of glucocorticoid receptor-mediated growth arrest.  
 AUTHOR(S): Zuo, Zhuang; Urban, Gudrun; Scammell, Jonathan G.; Dean, Nicholas M.; McLean, Tammy K.; Aragon, Ileana; Honkanen, Richard E. [Reprint author]  
 CORPORATE SOURCE: Department of Biochemistry and Molecular Biology, University of South Alabama, Mobile, AL, 36688, USA  
 SOURCE: Biochemistry, (July 13, 1999) Vol. 38, No. 28, pp. 8849-8857. print.  
 CODEN: BICHAW. ISSN: 0006-2960.  
 DOCUMENT TYPE: Article  
 LANGUAGE: English  
 ENTRY DATE: Entered STN: 9 Sep 1999  
 Last Updated on STN: 9 Sep 1999

L15 ANSWER 136 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1999:809612 HCAPLUS  
 DOCUMENT NUMBER: 132:135707  
 TITLE: Cloning of a novel human Rac1b splice variant with increased expression in colorectal tumors  
 AUTHOR(S): Jordan, Peter; Brazao, Raquel; Boavida, Maria Guida; Gespach, Christian; Chastre, Eric  
 CORPORATE SOURCE: Laboratorio de Oncobiologia, Centro de Genetica Humana, Instituto Nacional de Saude "Dr. Ricardo Jorge", Lisbon, 1649-016, Port.  
 SOURCE: Oncogene (1999), 18(48), 6835-6839  
 CODEN: ONCNES; ISSN: 0950-9232  
 PUBLISHER: Stockton Press  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 137 OF 241 MEDLINE on STN

ACCESSION NUMBER: 2000065107 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 10597239

TITLE: Antiproliferative function of p27kip1 is frequently inhibited in highly malignant Burkitt's lymphoma cells.  
AUTHOR: Barnouin K; Fredersdorf S; Eddaoudi A; Mitnacht S; Pan L X; Du M Q; Lu X  
CORPORATE SOURCE: Ludwig Institute for Cancer Research, Imperial College School of Medicine at St. Mary's, London, UK.  
SOURCE: Oncogene, (1999 Nov 4) 18 (46) 6388-97.  
Journal code: 8711562. ISSN: 0950-9232.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200001  
ENTRY DATE: Entered STN: 20000124  
Last Updated on STN: 20000124  
Entered Medline: 20000110

L15 ANSWER 138 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 1999374663 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 10446997  
TITLE: Frequent loss of **expression** of the cyclin-dependent **kinase** inhibitor p27 in epithelial ovarian cancer.  
AUTHOR: Masciullo V; Sgambato A; Pacilio C; Pucci B; Ferrandina G; Palazzo J; Carbone A; Cittadini A; Mancuso S; Scambia G; Giordano A  
CORPORATE SOURCE: Department of Pathology, Anatomy and Cell Biology, Jefferson Medical College, Philadelphia, Pennsylvania 19107, USA.  
CONTRACT NUMBER: PO1-CA56309 (NCI)  
PO1-NS36466 (NINDS)  
R01 CA60999/01A1 (NCI)  
SOURCE: Cancer research, (1999 Aug 1) 59 (15) 3790-4..  
Journal code: 2984705R. ISSN: 0008-5472.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199909  
ENTRY DATE: Entered STN: 19990921  
Last Updated on STN: 19990921  
Entered Medline: 19990907

L15 ANSWER 139 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 1999091646 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 9873047  
TITLE: **Cloning** and characterization of RLPK, a novel RSK-related protein **kinase**.  
AUTHOR: New L; Zhao M; Li Y; Bassett W W; Feng Y; Ludwig S; Padova F D; Gram H; Han J  
CORPORATE SOURCE: Department of Immunology, The Scripps Research Institute, La Jolla, California 92037, USA.  
CONTRACT NUMBER: AI41637 (NIAID)  
GM51417 (NIGMS)  
SOURCE: Journal of biological chemistry, (1999 Jan 8) 274 (2) 1026-32.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-AF080000  
ENTRY MONTH: 199902  
ENTRY DATE: Entered STN: 19990223

Last Updated on STN: 20020420  
Entered Medline: 19990205

L15 ANSWER 140 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 1999:191925 SCISEARCH  
THE GENUINE ARTICLE: 171ZH  
TITLE: **Human** ovary and **placenta**  
**express** messenger RNA for multiple activin  
receptors  
AUTHOR: Peng C (Reprint); Ohno T; Koh L Y; Chen V T S; Leung P C K  
CORPORATE SOURCE: YORK UNIV, DEPT BIOL, 4700 KEELE ST, N YORK, ON M3J 1P3,  
CANADA (Reprint); GIFU UNIV, SCH MED, DEPT OBSTET &  
GYNECOL, GIFU 500, JAPAN; UNIV BRITISH COLUMBIA, DEPT  
OBSTET & GYNECOL, VANCOUVER, BC V5Z 1M9, CANADA  
COUNTRY OF AUTHOR: CANADA; JAPAN  
SOURCE: LIFE SCIENCES, (12 FEB 1999) Vol. 64, No. 12, pp. 983-994.  
Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD,  
LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND.  
ISSN: 0024-3205.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 38  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 141 OF 241 MEDLINE on STN

ACCESSION NUMBER: 1999173224 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 10074929  
TITLE: Retinoic acid-mediated growth inhibition of small cell lung  
cancer cells is associated with reduced myc and increased  
p27Kip1 **expression**.  
AUTHOR: Weber E; Ravi R K; Knudsen E S; Williams J R; Dillehay L E;  
Nelkin B D; Kalemkerian G P; Feramisco J R; Mabry M  
CORPORATE SOURCE: Division of Radiobiology, The Oncology Center, The Johns  
Hopkins University Medical Institutions, Baltimore, MD,  
USA.. erich.weber@pharma.ethz.ch  
CONTRACT NUMBER: CA 48081 (NCI)  
CA 58184 (NCI)  
CA 58794 (NCI)  
+  
SOURCE: International journal of cancer. Journal international du  
cancer, (1999 Mar 15) 80 (6) 935-43.  
Journal code: 0042124. ISSN: 0020-7136.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199903  
ENTRY DATE: Entered STN: 19990402  
Last Updated on STN: 19990402  
Entered Medline: 19990325

L15 ANSWER 142 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 1999:572992 SCISEARCH  
THE GENUINE ARTICLE: 217MN  
TITLE: **Expression**, purification, and characterization  
of the cytoplasmic domain of the **human** IGF-1  
receptor using a baculovirus **expression** system  
AUTHOR: Tennagels N; HubeMagg C; Wirth A; Noelle V; Klein H W  
(Reprint)  
CORPORATE SOURCE: UNIV COLOGNE, INST BIOCHEM, OTTO FISCHER STR 12-14,  
D-50674 COLOGNE, GERMANY (Reprint); UNIV COLOGNE, INST



COUNTRY OF AUTHOR: BIOCHEM, D-50674 COLOGNE, GERMANY  
SOURCE: GERMANY  
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (14  
JUL 1999) Vol. 260, No. 3, pp. 724-728.  
Publisher: ACADEMIC PRESS INC, 525 B ST, STE 1900, SAN  
DIEGO, CA 92101-4495.  
ISSN: 0006-291X.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 35  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 143 OF 241 MEDLINE on STN DUPLICATE 27  
ACCESSION NUMBER: 2000016600 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 10548884  
TITLE: The steroidogenic acute regulatory protein (StAR): a window  
into the complexities of intracellular cholesterol  
trafficking.  
AUTHOR: Strauss J F 3rd; Kallen C B; Christenson L K; Watari H;  
Devoto L; Arakane F; Kiriakidou M; Sugawara T  
CORPORATE SOURCE: Center for Research on Reproduction and Women's Health,  
University of Pennsylvania Medical Center, Philadelphia  
19104, USA.  
CONTRACT NUMBER: HD06274 (NICHD)  
HD07958 (NICHD)  
HD3449 (NICHD)  
+  
SOURCE: Recent progress in hormone research, (1999) 54 369-94;  
discussion 394-5. Ref: 82  
Journal code: 0404471. ISSN: 0079-9963.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199912  
ENTRY DATE: Entered STN: 20000113  
Last Updated on STN: 20000113  
Entered Medline: 19991208

L15 ANSWER 144 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN  
ACCESSION NUMBER: 1999:669269 SCISEARCH  
THE GENUINE ARTICLE: 229ZW  
TITLE: **Cloning** and characterization of the alternative  
promoter regions of the **human** LIMK2 gene  
responsible for alternative transcripts with  
tissue-specific **expression**  
AUTHOR: Nomoto S; Tatematsu Y; Takahashi T; Osada H (Reprint)  
CORPORATE SOURCE: AICHI CANC CTR, RES INST, LAB ULTRASTRICT RES, CHIKUSA KU,  
1-1 KANOKODEN, NAGOYA, AICHI 4648681, JAPAN (Reprint);  
AICHI CANC CTR, RES INST, LAB ULTRASTRICT RES, CHIKUSA KU,  
NAGOYA, AICHI 4648681, JAPAN; AICHI CANC CTR, RES INST,  
PATHOPHYSIOL UNIT, CHIKUSA KU, NAGOYA, AICHI 4648681,  
JAPAN  
COUNTRY OF AUTHOR: JAPAN  
SOURCE: GENE, (20 AUG 1999) Vol. 236, No. 2, pp. 259-271.  
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE  
AMSTERDAM, NETHERLANDS.  
ISSN: 0378-1119.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE

LANGUAGE: English  
REFERENCE COUNT: 16  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 145 OF 241 MEDLINE on STN DUPLICATE 28  
ACCESSION NUMBER: 1999318818 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 10388539  
TITLE: Antisense inhibition of protein **kinase** Calpha  
reverses the transformed phenotype in **human**  
**lung carcinoma** cells.  
AUTHOR: Wang X Y; Repasky E; Liu H T  
CORPORATE SOURCE: The Key Laboratory of Cell Proliferation and Regulation  
Biology, Beijing Normal University, Beijing, 100875, P. R.  
China.. xywang@sc3101.med.buffalo.edu  
SOURCE: Experimental cell research, (1999 Jul 10) 250 (1) 253-63.  
Journal code: 0373226. ISSN: 0014-4827.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199908  
ENTRY DATE: Entered STN: 19990910  
Last Updated on STN: 20000303  
Entered Medline: 19990825

L15 ANSWER 146 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 1999:572442 SCISEARCH  
THE GENUINE ARTICLE: 217HX  
TITLE: **Cloning** of zebrafish activin type IIB receptor  
(ActRIIB) cDNA and mRNA **expression** of ActRIIB in  
embryos and adult tissues  
AUTHOR: Garg R R; BallyCuif L; Lee S E; Gong Z; Ni X; Hew C L;  
Peng C (Reprint)  
CORPORATE SOURCE: YORK UNIV, DEPT BIOL, 4700 KEELE ST, N YORK, ON M3J 1P3,  
CANADA (Reprint); YORK UNIV, DEPT BIOL, N YORK, ON M3J  
1P3, CANADA; PRINCETON UNIV, DEPT MOL BIOL, PRINCETON, NJ  
08544; ECOLE NORMALE SUPER, CNRS, URA 1414 EQUIPE  
REGIONALISAT NERVEUSE, PARIS, FRANCE; INST  
SAEUGETIERGENET, GSF, FORSCHUNGSZENTRUM, NEUHERBERG,  
GERMANY; NATL UNIV SINGAPORE, SCH BIOL SCI, SINGAPORE  
0511, SINGAPORE; UNIV TORONTO, DEPT LAB MED & PATHOBIOL,  
TORONTO, ON, CANADA  
COUNTRY OF AUTHOR: CANADA; USA; FRANCE; GERMANY; SINGAPORE  
SOURCE: MOLECULAR AND CELLULAR ENDOCRINOLOGY, (20 JUL 1999) Vol.  
153, No. 1-2, pp. 169-181.  
Publisher: ELSEVIER SCI IRELAND LTD, CUSTOMER RELATIONS  
MANAGER, BAY 15, SHANNON INDUSTRIAL ESTATE CO, CLARE,  
IRELAND.  
ISSN: 0303-7207.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 61  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 147 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2000:764767 HCAPLUS  
DOCUMENT NUMBER: 134:54179  
TITLE: The potential role of endoglin during pregnancy  
AUTHOR(S): Letarte, Michelle  
CORPORATE SOURCE: Cancer and Blood Research Programme, Hospital for Sick  
Children, and Department of Immunology, University of  
Toronto, Toronto, ON, M5G1X8, Can.

SOURCE: Reproductive Immunology, [International Congress of Reproductive Immunology], 7th, New Delhi, India, Oct. 27-30, 1998 (1999), Meeting Date 1998, 167-178.  
Editor(s): Gupta, Satish K. Kluwer Academic Publishers: Hingham, Mass.  
CODEN: 69ANXV

DOCUMENT TYPE: Conference; General Review  
LANGUAGE: English  
REFERENCE COUNT: 71 THERE ARE 71 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 148 OF 241 MEDLINE on STN DUPLICATE 29  
ACCESSION NUMBER: 2001121968 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 11127806  
TITLE: Immunohistochemical localization of polo like **kinase** in early **human placenta**.  
AUTHOR: Yoshimatsu J; Takai N; Yoshimatsu Y; Narahara H; Miyakawa I; Hamanaka R  
CORPORATE SOURCE: Department of Obstetrics and Gynecology, Oita Medical University, Hasama, Japan.  
SOURCE: Research communications in molecular pathology and pharmacology, (1999) 106 (1-2) 3-12.  
Journal code: 9437512. ISSN: 1078-0297.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200102  
ENTRY DATE: Entered STN: 20010322  
Last Updated on STN: 20020420  
Entered Medline: 20010222

L15 ANSWER 149 OF 241 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN  
ACCESSION NUMBER: 1999:5032 BIOSIS  
DOCUMENT NUMBER: PREV199900005032  
TITLE: Vascular endothelial growth factor regulates endothelial cell survival through the phosphatidylinositol 3'-**kinase**/Akt signal transduction pathway: Requirement for Flk-1/KDR activation.  
AUTHOR(S): Gerber, Hans-Peter; McMurtrey, Amy; Kowalski, Joe; Yan, Minhong; Keyt, Bruce A.; Dixit, Vishva; Ferrara, Napoleone [Reprint author]  
CORPORATE SOURCE: Dep. Cardiovas. Res., Genentech Inc., 1 DNA Way, South San Francisco, CA 94080, USA  
SOURCE: Journal of Biological Chemistry, (Nov. 13, 1998) Vol. 273, No. 46, pp. 30336-30343. print.  
CODEN: JBCHA3. ISSN: 0021-9258.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
ENTRY DATE: Entered STN: 11 Jan 1999  
Last Updated on STN: 11 Jan 1999

L15 ANSWER 150 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN  
ACCESSION NUMBER: 1998:671806 SCISEARCH  
THE GENUINE ARTICLE: 114NY  
TITLE: Purification and characterization of a novel physiological substrate for calcineurin in mammalian cells  
AUTHOR: Groblewski G E; Yoshida M; Bragado M J; Ernst S A; Leykam J; Williams J A (Reprint)  
CORPORATE SOURCE: UNIV MICHIGAN, SCH MED, DEPT PHYSIOL, 7737 MED SCI II, ANN ARBOR, MI 48109 (Reprint); UNIV MICHIGAN, SCH MED, DEPT PHYSIOL, ANN ARBOR, MI 48109; UNIV MICHIGAN, SCH MED, DEPT

INTERNAL MED, ANN ARBOR, MI 48109; UNIV MICHIGAN, SCH MED,  
DEPT ANAT & CELL BIOL, ANN ARBOR, MI 48109; MICHIGAN STATE  
UNIV, DEPT BIOCHEM, E LANSING, MI 48824

COUNTRY OF AUTHOR:

USA

SOURCE:

JOURNAL OF BIOLOGICAL CHEMISTRY, (28 AUG 1998) Vol. 273,  
No. 35, pp. 22738-22744.

Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC,  
9650 ROCKVILLE PIKE, BETHESDA, MD 20814.

ISSN: 0021-9258.

DOCUMENT TYPE:

Article; Journal

FILE SEGMENT:

LIFE

LANGUAGE:

English

REFERENCE COUNT:

39

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 151 OF 241 LIFESCI COPYRIGHT 2004 CSA on STN

ACCESSION NUMBER: 1999:54492 LIFESCI

TITLE: Overexpression of cdc25A and cdc25B Is Frequent in Primary  
Non-Small Cell Lung Cancer but Is Not Associated with  
Overexpression of c-myc

AUTHOR: Wu, W.; Fan, Y.-H.; Kemp, B.L.; Walsh, G.; Mao, L.\*

CORPORATE SOURCE: Molecular Biology Laboratory, Department of Thoracic/Head  
and Neck Medical Oncology, The University of Texas M. D.  
Anderson Cancer Center, 1515 Holcombe Boulevard, Houston,  
TX 77030, USA; E-mail: lmiao@notes.madcc.tmc.edu

SOURCE: Cancer Research [Cancer Res.], (19980900) vol. 58, no. 18,  
pp. 4082-4085.

ISSN: 0008-5472.

DOCUMENT TYPE:

Journal

FILE SEGMENT:

B

LANGUAGE:

English

SUMMARY LANGUAGE:

English

L15 ANSWER 152 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1998:454663 HCAPLUS

DOCUMENT NUMBER: 129:214723

TITLE: PRAK, a novel protein kinase regulated by  
the p38 MAP kinase

AUTHOR(S): New, Liguang; Jiang, Yong; Zhao, Ming; Liu, Kang; Zhu,  
Wei; Flood, Laura J.; Kato, Yutaka; Parry, Graham C.  
N.; Han, Jiahui

CORPORATE SOURCE: Department of Immunology, The Scripps Research  
Institute, La Jolla, CA, 92037, USA

SOURCE: EMBO Journal (1998), 17(12), 3372-3384

CODEN: EMJODG; ISSN: 0261-4189

PUBLISHER:

Oxford University Press

DOCUMENT TYPE:

Journal

LANGUAGE:

English

REFERENCE COUNT:

70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 153 OF 241 MEDLINE on STN

ACCESSION NUMBER: 1998264404 MEDLINE

DOCUMENT NUMBER: PubMed ID: 9603265

TITLE: Expression of G1 cyclins and cyclin-dependent  
kinase-2 activity during terminal differentiation  
of cultured human trophoblast.

AUTHOR: McKenzie P P; Foster J S; House S; Bukovsky A; Caudle M R;  
Wimalasena J

CORPORATE SOURCE: Graduate School of Medicine, University of Tennessee  
Medical Center, Knoxville 37920, USA.. mcf7@msn.com

CONTRACT NUMBER: AA05407-01 (NIAAA)

SOURCE: Biology of reproduction, (1998 May) 58 (5) 1283-9.

Journal code: 0207224. ISSN: 0006-3363.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199807  
ENTRY DATE: Entered STN: 19980731  
Last Updated on STN: 19980731  
Entered Medline: 19980721

L15 ANSWER 154 OF 241 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

ACCESSION NUMBER: 1998:230648 BIOSIS  
DOCUMENT NUMBER: PREV199800230648  
TITLE: Late G1 accumulation after 2 Gy of gamma-irradiation is related to endogenous Raf-1 protein **expression** and intrinsic radiosensitivity in **human** cells.  
AUTHOR(S): Warenius, H. M. [Reprint author]; Jones, M.; Jones, M. D.; Browning, P. G.; Seabra, L. A.; Thompson, C. C. M.  
CORPORATE SOURCE: Human Tumour Biol. Group, Oncol. Res. Unit, Dep. Med., Univ. Liverpool, Univ. Clinical Dep., Duncan Build., Daulby St., Liverpool L69 3GA, UK  
SOURCE: British Journal of Cancer, (April, 1998) Vol. 77, No. 8, pp. 1220-1228. print.  
CODEN: BJCAAI. ISSN: 0007-0920.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
ENTRY DATE: Entered STN: 20 May 1998  
Last Updated on STN: 20 May 1998

L15 ANSWER 155 OF 241 MEDLINE on STN DUPLICATE 30

ACCESSION NUMBER: 1998289625 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 9618306  
TITLE: Identification of a novel gene--SSK1--in **human** endothelial cells exposed to shear stress.  
AUTHOR: Donadelli R; Benatti L; Remuzzi A; Morigi M; Gullans S R; Benigni A; Remuzzi G; Noris M  
CORPORATE SOURCE: Mario Negri Institute for Pharmacological Research, Bergamo, Italy.  
SOURCE: Biochemical and biophysical research communications, (1998 May 29) 246 (3) 881-7.  
Journal code: 0372516. ISSN: 0006-291X.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-AF035933  
ENTRY MONTH: 199807  
ENTRY DATE: Entered STN: 19980716  
Last Updated on STN: 20020420  
Entered Medline: 19980702

L15 ANSWER 156 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN

ACCESSION NUMBER: 1998:421358 SCISEARCH  
THE GENUINE ARTICLE: ZQ239  
TITLE: Molecular characterization of a tyrosine-specific protein phosphatase encoded by a stress-responsive gene in Arabidopsis  
AUTHOR: Xu Q; Fu H H; Gupta R; Luan S (Reprint)  
CORPORATE SOURCE: UNIV CALIF BERKELEY, DEPT PLANT & MICROBIAL BIOL, BERKELEY, CA 94720 (Reprint); UNIV CALIF BERKELEY, DEPT PLANT & MICROBIAL BIOL, BERKELEY, CA 94720  
COUNTRY OF AUTHOR: USA  
SOURCE: PLANT CELL, (MAY 1998) Vol. 10, No. 5, pp. 849-857.

Publisher: AMER SOC PLANT PHYSIOLOGISTS, 15501 MONONA  
DRIVE, ROCKVILLE, MD 20855.  
ISSN: 1040-4651.

DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE; AGRI  
LANGUAGE: English  
REFERENCE COUNT: 52

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 157 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 1999:147714 SCISEARCH  
THE GENUINE ARTICLE: 166KC

TITLE: Phosphorylation of non-muscle myosin II regulatory light  
chain by p21-activated **kinase** (gamma-PAK)

AUTHOR: Chew T L; Masaracchia R A; Goeckeler Z M; Wysolmerski R B  
(Reprint)

CORPORATE SOURCE: ST LOUIS UNIV, SCH MED, DEPT PATHOL, 1402 S GRAND BLVD, ST  
LOUIS, MO 63104 (Reprint); ST LOUIS UNIV, SCH MED, DEPT  
PATHOL, ST LOUIS, MO 63104; ST LOUIS UNIV, SCH MED, DEPT  
ANESTHESIOLOGY, ST LOUIS, MO 63104; UNIV N TEXAS, DEPT BIOL  
SCI, DIV BIOCHEM & MOL BIOL, DENTON, TX 76203

COUNTRY OF AUTHOR: USA

SOURCE: JOURNAL OF MUSCLE RESEARCH AND CELL MOTILITY, (NOV 1998)  
Vol. 19, No. 8, pp. 839-854.  
Publisher: KLUWER ACADEMIC PUBL, SPUIBOULEVARD 50, PO BOX  
17, 3300 AA DORDRECHT, NETHERLANDS.  
ISSN: 0142-4319.

DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 65

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 158 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1999:57973 HCAPLUS  
DOCUMENT NUMBER: 130:276946

TITLE: A novel arachidonic acid-related thioesterase involved  
in acute steroidogenesis

AUTHOR(S): Finkielstein, Carla V.; Maloberti, Paula; Mendez,  
Carlos F.; Podesta, Ernesto J.

CORPORATE SOURCE: Department of Biochemistry, School of Medicine,  
University of Buenos Aires, Argent.

SOURCE: Endocrine Research (1998), 24(3 & 4), 363-371  
CODEN: ENRSE8; ISSN: 0743-5800

PUBLISHER: Marcel Dekker, Inc.

DOCUMENT TYPE: Journal  
LANGUAGE: English

REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 159 OF 241 MEDLINE on STN

ACCESSION NUMBER: 1999097232 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 9878533

TITLE: Identification of a **human** cDNA encoding a  
**kinase**-defective cdk5 isoform.

AUTHOR: Moorthamer M; Zumstein-Mecker S; Stephan C; Mittl P;  
Chaudhuri B

CORPORATE SOURCE: Oncology Research, Novartis Pharma AG, Basel, Switzerland.  
SOURCE: Biochemical and biophysical research communications, (1998  
Dec 18) 253 (2) 305-10.

Journal code: 0372516. ISSN: 0006-291X.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199901  
ENTRY DATE: Entered STN: 19990202  
Last Updated on STN: 19990202  
Entered Medline: 19990120

L15 ANSWER 160 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 1998:417606 SCISEARCH  
THE GENUINE ARTICLE: ZP868  
TITLE: Multiple phosphorylation of chicken protein tyrosine  
phosphatase 1 and **human** protein tyrosine  
phosphatase 1B by casein **kinase** II and p60c-src  
in vitro  
AUTHOR: Jung E J; Kang Y S; Kim C W (Reprint)  
CORPORATE SOURCE: GYEONGSANG NATL UNIV, COLL MED, DEPT BIOCHEM, CHINJU  
660280, SOUTH KOREA (Reprint); GYEONGSANG NATL UNIV, COLL  
MED, DEPT BIOCHEM, CHINJU 660280, SOUTH KOREA; GYEONGSANG  
NATL UNIV, COLL MED, GYEONGSANG INST CANC RES, CHINJU  
660280, SOUTH KOREA  
COUNTRY OF AUTHOR: SOUTH KOREA  
SOURCE: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (8  
MAY 1998) Vol. 246, No. 1, pp. 238-242.  
Publisher: ACADEMIC PRESS INC JNL-COMP SUBSCRIPTIONS, 525  
B ST, STE 1900, SAN DIEGO, CA 92101-4495.  
ISSN: 0006-291X.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 16  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 161 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 1998:664465 SCISEARCH  
THE GENUINE ARTICLE: 113NM  
TITLE: Identification of the regulatory autophosphorylation site  
of autophosphorylation-dependent protein **kinase**  
(auto-**kinase**) - Evidence that auto-  
**kinase** belongs to a member of the p21-activated  
**kinase** family  
AUTHOR: Yu J S (Reprint); Chen W J; Ni M H; Chan W H; Yang S D  
CORPORATE SOURCE: CHANG GUNG UNIV, INST BASIC MED, DEPT CELL & MOL BIOL,  
TAYUAN, TAIWAN (Reprint); NATL TSING HUA UNIV, DEPT LIFE  
SCI, HSINCHU, TAIWAN  
COUNTRY OF AUTHOR: TAIWAN  
SOURCE: BIOCHEMICAL JOURNAL, (15 AUG 1998) Vol. 334, Part 1, pp.  
121-131.  
Publisher: PORTLAND PRESS, 59 PORTLAND PLACE, LONDON W1N  
3AJ, ENGLAND.  
ISSN: 0264-6021.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 49  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 162 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1998:478866 HCAPLUS  
DOCUMENT NUMBER: 130:137407  
TITLE: ILK ( $\beta$ 1-integrin-linked protein **kinase**  
) : a novel immunohistochemical marker for Ewing's  
sarcoma and primitive neuroectodermal tumor

AUTHOR(S): Chung, Doo Hyun; Lee, Jong Im; Kook, Myeong Cherl;  
Kim, Jeong Ran; Kim, Soon Ha; Choi, Eun Young; Park,  
Seong Hoe; Song, H. G.  
CORPORATE SOURCE: Department of Pathology, Seoul National University  
College of Medicine, Seoul, S. Korea  
SOURCE: Virchows Archiv (1998), 433(2), 113-117  
CODEN: VARCEM; ISSN: 0945-6317  
PUBLISHER: Springer-Verlag  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 163 OF 241 MEDLINE on STN DUPLICATE 31  
ACCESSION NUMBER: 1998360094 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 9693035  
TITLE: Human ULK1, a novel serine/  
threonine kinase related to UNC-51  
kinase of Caenorhabditis elegans: cDNA  
cloning, expression, and chromosomal  
assignment.  
AUTHOR: Kuroyanagi H; Yan J; Seki N; Yamanouchi Y; Suzuki Y; Takano  
T; Muramatsu M; Shirasawa T  
CORPORATE SOURCE: Department of Molecular Genetics, Tokyo Metropolitan  
Institute of Gerontology, 35-2 Sakaecho, Itabashi-ku,  
Tokyo, 173-0015, Japan.  
SOURCE: Genomics, (1998 Jul 1) 51 (1) 76-85.  
Journal code: 8800135. ISSN: 0888-7543.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-AF045458  
ENTRY MONTH: 199809  
ENTRY DATE: Entered STN: 19980925  
Last Updated on STN: 20020420  
Entered Medline: 19980914

L15 ANSWER 164 OF 241 MEDLINE on STN DUPLICATE 32  
ACCESSION NUMBER: 1998417428 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 9746346  
TITLE: An adrenocorticotropin-regulated phosphoprotein  
intermediary in steroid synthesis is similar to an acyl-CoA  
thioesterase enzyme.  
AUTHOR: Finkielstein C; Maloberti P; Mendez C F; Paz C; Cornejo  
Maciel F; Cymeryng C; Neuman I; Dada L; Mele P G; Solano A;  
Podesta E J  
CORPORATE SOURCE: Department of Biochemistry, School of Medicine, University  
of Buenos Aires, Argentina.  
SOURCE: European journal of biochemistry / FEBS, (1998 Aug 15) 256  
(1) 60-6.  
Journal code: 0107600. ISSN: 0014-2956.  
PUB. COUNTRY: GERMANY; Germany, Federal Republic of  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199810  
ENTRY DATE: Entered STN: 19981021  
Last Updated on STN: 20000303  
Entered Medline: 19981015

L15 ANSWER 165 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1998:29361 HCAPLUS  
DOCUMENT NUMBER: 128:152647



TITLE: Peutz-Jeghers syndrome is caused by mutations in a novel **serine threonine kinase**

AUTHOR(S): Jenne, Dieter E.; Reimann, Heike; Nezu, Jun-ichi; Friedel, Waltraut; Loff, Steffan; Jeschke, Reinhard; Muller, Oliver; Back, Walter; Zimmer, Michael

CORPORATE SOURCE: Dep. Neuroimmunol., Max-Planck-Inst. Psychiatry, Martinsried, 82152, Germany

SOURCE: Nature Genetics (1998), 18(1), 38-43  
CODEN: NGENEC; ISSN: 1061-4036

PUBLISHER: Nature America

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 166 OF 241 MEDLINE on STN DUPLICATE 33

ACCESSION NUMBER: 1998069264 MEDLINE

DOCUMENT NUMBER: PubMed ID: 9406190

TITLE: Molecular **cloning**, genetic mapping, and developmental **expression** of a bovine transforming growth factor beta (TGF-beta) type I receptor.

AUTHOR: Roelen B A; Van Eijk M J; Van Rooijen M A; Bevers M M; Larson J H; Lewin H A; Mummery C L

CORPORATE SOURCE: Hubrecht Laboratory, Netherlands Institute for Developmental Biology, Utrecht, The Netherlands.

SOURCE: Molecular reproduction and development, (1998 Jan) 49 (1) 1-9.  
Journal code: 8903333. ISSN: 1040-452X.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

OTHER SOURCE: GENBANK-U97485

ENTRY MONTH: 199802

ENTRY DATE: Entered STN: 19980224  
Last Updated on STN: 19980224  
Entered Medline: 19980209

L15 ANSWER 167 OF 241 MEDLINE on STN DUPLICATE 34

ACCESSION NUMBER: 1998163740 MEDLINE

DOCUMENT NUMBER: PubMed ID: 9503010

TITLE: Characterization of the MADH2/Smad2 gene, a **human** Mad homolog responsible for the transforming growth factor-beta and activin signal transduction pathway.

AUTHOR: Takenoshita S; Mogi A; Nagashima M; Yang K; Yagi K; Hanyu A; Nagamachi Y; Miyazono K; Hagiwara K

CORPORATE SOURCE: First Department of Surgery, Gunma University School of Medicine, Japan.

SOURCE: Genomics, (1998 Feb 15) 48 (1) 1-11.  
Journal code: 8800135. ISSN: 0888-7543.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

OTHER SOURCE: GENBANK-U78726; GENBANK-U78727; GENBANK-U78728; GENBANK-U78729; GENBANK-U78730; GENBANK-U78731; GENBANK-U78732; GENBANK-U78733

ENTRY MONTH: 199804

ENTRY DATE: Entered STN: 19980507  
Last Updated on STN: 19980507  
Entered Medline: 19980424

L15 ANSWER 168 OF 241 MEDLINE on STN DUPLICATE 35

ACCESSION NUMBER: 1998070555 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 9407138  
TITLE: The JUN kinase/stress-activated protein  
kinase pathway is required for epidermal growth  
factor stimulation of growth of human A549  
lung carcinoma cells.  
AUTHOR: Bost F; McKay R; Dean N; Mercola D  
CORPORATE SOURCE: Sidney Kimmel Cancer Center, San Diego, California 92121,  
USA.  
CONTRACT NUMBER: CA63783 (NCI)  
SOURCE: Journal of biological chemistry, (1997 Dec 26) 272 (52)  
33422-9.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199801  
ENTRY DATE: Entered STN: 19980206  
Last Updated on STN: 20000303  
Entered Medline: 19980123

L15 ANSWER 169 OF 241 MEDLINE on STN DUPLICATE 36  
ACCESSION NUMBER: 1998058986 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 9395533  
TITLE: Regulation of leukotriene A4 hydrolase activity in  
endothelial cells by phosphorylation.  
AUTHOR: Rybina I V; Liu H; Gor Y; Feinmark S J  
CORPORATE SOURCE: Department of Pharmacology, College of Physicians &  
Surgeons, Columbia University, New York, New York 10032,  
USA.  
SOURCE: Journal of biological chemistry, (1997 Dec 12) 272 (50)  
31865-71.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199801  
ENTRY DATE: Entered STN: 19980129  
Last Updated on STN: 19980129  
Entered Medline: 19980115

L15 ANSWER 170 OF 241 MEDLINE on STN DUPLICATE 37  
ACCESSION NUMBER: 97184169 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 9030581  
TITLE: Molecular cloning and functional characterization  
of a novel mitogen-activated protein kinase  
phosphatase, MKP-4.  
AUTHOR: Muda M; Boschert U; Smith A; Antonsson B; Gillieron C;  
Chabert C; Camps M; Martinou I; Ashworth A; Arkinstall S  
CORPORATE SOURCE: Geneva Biomedical Research Institute, Glaxo Wellcome  
Research and Development S.A., CH-1228 Plan-les-Ouates,  
Geneva, Switzerland.  
SOURCE: Journal of biological chemistry, (1997 Feb 21) 272 (8)  
5141-51.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-Y08302  
ENTRY MONTH: 199704  
ENTRY DATE: Entered STN: 19970414

Last Updated on STN: 19970414  
Entered Medline: 19970403

L15 ANSWER 171 OF 241 - MEDLINE on STN

ACCESSION NUMBER: 97373727 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 9230210  
TITLE: **Cloning** and characterization of p10, an  
alternatively spliced form of p15 cyclin-dependent  
**kinase** inhibitor.  
AUTHOR: Tsubari M; Tiihonen E; Laiho M  
CORPORATE SOURCE: Haartman Institute, Department of Virology, University of  
Helsinki, Finland.  
SOURCE: Cancer research, (1997 Jul 15) 57 (14) 2966-73.  
Journal code: 2984705R. ISSN: 0008-5472.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-AF004819; GENBANK-L27211  
ENTRY MONTH: 199708  
ENTRY DATE: Entered STN: 19970813  
Last Updated on STN: 19970813  
Entered Medline: 19970807

L15 ANSWER 172 OF 241 MEDLINE on STN

ACCESSION NUMBER: 97160600 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 9006934  
TITLE: Identification of Smad2, a **human** Mad-related  
protein in the transforming growth factor beta signaling  
pathway.  
AUTHOR: Nakao A; Roijer E; Imamura T; Souchelnytskyi S; Stenman G;  
Heldin C H; ten Dijke P  
CORPORATE SOURCE: Ludwig Institute for Cancer Research, Box 595, S-751 24  
Uppsala, Sweden.  
SOURCE: Journal of biological chemistry, (1997 Jan 31) 272 (5)  
2896-900.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199703  
ENTRY DATE: Entered STN: 19970321  
Last Updated on STN: 19970321  
Entered Medline: 19970313

L15 ANSWER 173 OF 241 MEDLINE on STN

DUPLICATE 38

ACCESSION NUMBER: 97309345 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 9166760  
TITLE: Modulation of serotonin transporter activity by a protein  
**kinase** C activator and an inhibitor of type 1 and  
2A **serine/threonine** phosphatases.  
AUTHOR: Sakai N; Sasaki K; Nakashita M; Honda S; Ikegaki N; Saito N  
CORPORATE SOURCE: Laboratory of Molecular Pharmacology, Biosignal Research  
Center, Kobe University, Nada-ku, Japan.  
SOURCE: Journal of neurochemistry, (1997 Jun) 68 (6) 2618-24.  
Journal code: 2985190R. ISSN: 0022-3042.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199706  
ENTRY DATE: Entered STN: 19970630  
Last Updated on STN: 20000303

Entered Medline: 19970617

L15 ANSWER 174 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN DUPLICATE 39

ACCESSION NUMBER: 97:777353 SCISEARCH  
THE GENUINE ARTICLE: YA874  
TITLE: **Cloning** and partial sequencing of a novel  
**human** activin receptor-like **kinase**  
AUTHOR: Ohno T; Imai A (Reprint); Takagi A; Horibe S; Takagi H;  
Tamaya T  
CORPORATE SOURCE: GIFU UNIV, SCH MED, DEPT OBSTET & GYNECOL, TSUKASAMACHI,  
GIFU 500, JAPAN (Reprint); GIFU UNIV, SCH MED, DEPT OBSTET  
& GYNECOL, GIFU 500, JAPAN  
COUNTRY OF AUTHOR: JAPAN  
SOURCE: ONCOLOGY REPORTS, (NOV-DEC 1997) Vol. 4, No. 6, pp.  
1349-1351.  
Publisher: INT JOURNAL ONCOLOGY, C/O PROFESSOR D A  
SPANDIDOS, EDITORIAL OFFICE, 1, S MERKOURI ST, ATHENS 116  
35, GREECE.  
ISSN: 1021-335X.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: CLIN  
LANGUAGE: English  
REFERENCE COUNT: 16

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 175 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 97:476659 SCISEARCH  
THE GENUINE ARTICLE: XE820  
TITLE: Induction of urokinase-type plasminogen activator receptor  
by IL-1 beta  
AUTHOR: Hasegawa T; Sorensen L; Dohi M; Rao N V; Hoidal J R;  
Marshall B C (Reprint)  
CORPORATE SOURCE: UNIV UTAH, HLTH SCI CTR, DIV RESP CRIT CARE & OCCUPAT PULM  
MED, 711 WINTROBE BLDG, 50 N MED DR, SALT LAKE CITY, UT  
84132 (Reprint); UNIV UTAH, HLTH SCI CTR, DIV RESP CRIT  
CARE & OCCUPAT PULM MED, SALT LAKE CITY, UT 84132; SALT  
LAKE VET ADM MED CTR, SALT LAKE CITY, UT  
COUNTRY OF AUTHOR: USA  
SOURCE: AMERICAN JOURNAL OF RESPIRATORY CELL AND MOLECULAR BIOLOGY  
(JUN 1997) Vol. 16, No. 6, pp. 683-692.  
Publisher: AMER LUNG ASSOC, 1740 BROADWAY, NEW YORK, NY  
10019.  
ISSN: 1044-1549.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 45

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 176 OF 241 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN

ACCESSION NUMBER: 1997:234454 BIOSIS  
DOCUMENT NUMBER: PREV199799533657  
TITLE: Inactivation of the transforming growth factor-beta  
(TGF-beta) type II receptor in small cell **lung**  
**carcinoma** cells (SCLC).  
AUTHOR(S): De Jonge, R. R. [Reprint author]; Garrigue-Antar, L.;  
Vellucci, V. F.; Reiss, M.  
CORPORATE SOURCE: Dep. Med., Yale Univ. Sch. Med., New Haven, CT 06520, USA  
SOURCE: Proceedings of the American Association for Cancer Research  
Annual Meeting, (1997) Vol. 38, No. 0, pp. 634.  
Meeting Info.: Eighty-eighth Annual Meeting of the American

Association for Cancer Research. San Diego, California,  
USA. April 12-16, 1997.  
ISSN: 0197-016X.

DOCUMENT TYPE: Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LANGUAGE: English  
ENTRY DATE: Entered STN: 2 Jun 1997  
Last Updated on STN: 2 Jun 1997

L15 ANSWER 177 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1997:671705 HCAPLUS  
DOCUMENT NUMBER: 127:356291  
TITLE: Identification of Smad7, a TGF $\beta$ -inducible  
antagonist of TGF- $\beta$  signalling  
AUTHOR(S): Nakao, Atsuhito; Afrakhte, Mozghan; Moren, Anita;  
Nakayama, Takuya; Christian, Jan L.; Heuchel, Rainer;  
Itoh, Susumu; Kawabata, Masahiro; Heldin, Nils-Erik;  
et al.  
CORPORATE SOURCE: Biomedical Center, Ludwig Institute Cancer Research,  
Uppsala, S-751 24, Swed.  
SOURCE: Nature (London) (1997), 389(6651), 631-635  
CODEN: NATUAS; ISSN: 0028-0836  
PUBLISHER: Macmillan Magazines  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 178 OF 241 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
RESERVED. on STN DUPLICATE 40  
ACCESSION NUMBER: 1998007315 EMBASE  
TITLE: Identification of Stat 5B as a substrate of the insulin  
receptor.  
AUTHOR: Sawka-Verhelle D.; Filloux C.; Tartare-Deckert S.; Mothe  
I.; Van Obberghen E.  
CORPORATE SOURCE: E. Van Obberghen, INSERM U145, Faculte de Medecine, Avenue  
de Valombrese, F-06107 Nice Cedex 2, France.  
vanobbeg@unice.fr  
SOURCE: European Journal of Biochemistry, (1997) 250/2 (411-417).  
Refs: 43  
ISSN: 0014-2956 CODEN: EJBCAI  
COUNTRY: Germany  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 029 Clinical Biochemistry  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L15 ANSWER 179 OF 241 MEDLINE on STN DUPLICATE 41  
ACCESSION NUMBER: 97244640 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 9089416  
TITLE: Cloning and biochemical characterization of  
LIMK-2, a protein kinase containing two LIM  
domains.  
AUTHOR: Smolich B; Vo M; Buckley S; Plowman G; Papkoff J  
CORPORATE SOURCE: SUGEN, Inc, Redwood City, CA 94063, USA..  
beverly@sugen.sf.ca.us  
SOURCE: Journal of biochemistry, (1997 Feb) 121 (2) 382-8.  
Journal code: 0376600. ISSN: 0021-924X.  
PUB. COUNTRY: Japan  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199707  
ENTRY DATE: Entered STN: 19970724

Last Updated on STN: 19970724

Entered Medline: 19970711

L15 ANSWER 180 OF 241 LIFESCI COPYRIGHT 2004 CSA on STN

ACCESSION NUMBER: 97:71245 LIFESCI

TITLE: Chromosomal localization of the mouse genes encoding the  
ERK1 and ERK2 isoforms of MAP **kinases**

AUTHOR: Saba-El-Leil, M.K.; Malo, D.; Meloche, S.\*

CORPORATE SOURCE: Cent. de Recherche, Hotel-Dieu de Montreal, 3850 St. Urbain  
St., and Dep. Pharmacol., Univ. Montreal, Montreal, Quebec,  
Canada, H2W 1T8

SOURCE: MAMM. GENOME, (1997) vol. 8, no. 2, pp. 141-142.

ISSN: 0938-8990.

DOCUMENT TYPE: Journal

FILE SEGMENT: G

LANGUAGE: English

L15 ANSWER 181 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 97:851153 SCISEARCH

THE GENUINE ARTICLE: YF541

TITLE: Myosin phosphorylation by **human** cdc42-dependent  
S6/H4 **kinase**/gamma PAK from **placenta**  
and lymphoid cells

AUTHOR: Ramos E (Reprint); Wysolmerski R B; Masaracchia R A

CORPORATE SOURCE: UNIV N TEXAS, DEPT BIOL SCI, DIV BIOCHEM & MOL BIOL,  
DENTON, TX 76201; ST LOUIS UNIV, SCH MED, DEPT PATHOL &  
ANESTHESIOLOGY, ST LOUIS, MO 63104

COUNTRY OF AUTHOR: USA

SOURCE: RECEPTORS & SIGNAL TRANSDUCTION, (DEC 1997) Vol. 7, No. 2,  
pp. 99-110.

Publisher: HUMANA PRESS INC, 999 RIVERVIEW DRIVE SUITE  
208, TOTOWA, NJ 07512.

ISSN: 1052-8040.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 33

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 182 OF 241 MEDLINE on STN

DUPLICATE 42

ACCESSION NUMBER: 97309779 MEDLINE

DOCUMENT NUMBER: PubMed ID: 9167190

TITLE: Frequent inactivation of the transforming growth factor  
beta type II receptor in small-cell **lung**  
**carcinoma** cells.

AUTHOR: de Jonge R R; Garrigue-Antar L; Vellucci V F; Reiss M

CORPORATE SOURCE: Department of Medicine, Yale University School of Medicine,  
New Haven, CT 06520-8032, USA.

CONTRACT NUMBER: AR41942 (NIAMS)

CA41556 (NCI)

SOURCE: Oncology research, (1997) 9 (2) 89-98.

Journal code: 9208097. ISSN: 0965-0407.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199707

ENTRY DATE: Entered STN: 19970721

Last Updated on STN: 19970721

Entered Medline: 19970710

L15 ANSWER 183 OF 241 MEDLINE on STN

DUPLICATE 43

ACCESSION NUMBER: 97153224 MEDLINE

DOCUMENT NUMBER: PubMed ID: 9000514

TITLE: Identification of Ser-1275 and Ser-1309 as  
 autophosphorylation sites of the insulin receptor.  
 AUTHOR: Al-Hasani H; Eisermann B; Tennagels N; Magg C; Passlack W;  
 Koenen M; Muller-Wieland D; Meyer H E; Klein H W  
 CORPORATE SOURCE: Diabetes Forschungsinstitut Dusseldorf, Germany.  
 SOURCE: FEBS letters, (1997 Jan 2) 400 (1) 65-70.  
 Journal code: 0155157. ISSN: 0014-5793.  
 PUB. COUNTRY: Netherlands  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199702  
 ENTRY DATE: Entered STN: 19970227  
 Last Updated on STN: 20000303  
 Entered Medline: 19970211

L15 ANSWER 184 OF 241 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
 RESERVED. on STN

ACCESSION NUMBER: 97378978 EMBASE  
 DOCUMENT NUMBER: 1997378978  
 TITLE: Molecular **cloning**, genetic mapping, and  
 developmental **expression** of a bovine transforming  
 growth factor beta (TGF- $\beta$ ) type I receptor.  
 AUTHOR: Roelen B.A.J.; Van Eijk M.J.T.; Van Rooijen M.A.; Bevers  
 M.M.; Larson J.H.; Lewin H.A.; Mummery C.L.  
 CORPORATE SOURCE: C.L. Mummery, Hubrecht Laboratory, Netherlands Inst. for  
 Devtl. Biology, Uppsalaalaan 3, 3584 CT Utrecht,  
 Netherlands. christin@niob.knaw.nl  
 SOURCE: Molecular Reproduction and Development, (1997) 49/1 (1-9).  
 Refs: 44  
 ISSN: 1040-452X CODEN: MREDEE  
 COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article  
 FILE SEGMENT: 007 Pediatrics and Pediatric Surgery  
 010 Obstetrics and Gynecology  
 LANGUAGE: English  
 SUMMARY LANGUAGE: English

L15 ANSWER 185 OF 241 MEDLINE on STN DUPLICATE 44  
 ACCESSION NUMBER: 97094825 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 8940059  
 TITLE: Characterization of a leucine zipper-containing protein  
 identified by retroviral insertion in avian neuroretina  
 cells.  
 AUTHOR: Proux V; Provot S; Felder-Schmittbuhl M P; Laugier D;  
 Calothy G; Marx M  
 CORPORATE SOURCE: Unite Mixte de Recherche 146 du CNRS, Institut Curie,  
 Laboratoire 110, Centre Universitaire, 91405 Orsay Cedex,  
 France.. marx@curie.u-psud.fr  
 SOURCE: Journal of biological chemistry, (1996 Nov 29) 271 (48)  
 30790-7.  
 Journal code: 2985121R. ISSN: 0021-9258.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 OTHER SOURCE: GENBANK-Y07757  
 ENTRY MONTH: 199701  
 ENTRY DATE: Entered STN: 19970128  
 Last Updated on STN: 20021019  
 Entered Medline: 19970107

L15 ANSWER 186 OF 241 MEDLINE on STN DUPLICATE 45  
 ACCESSION NUMBER: 96325053 MEDLINE

DOCUMENT NUMBER: PubMed ID: 8702627  
 TITLE: Prk, a cytokine-inducible **human** protein  
**serine/threonine kinase** whose  
**expression** appears to be down-regulated in  
**lung carcinomas**.  
 AUTHOR: Li B; Ouyang B; Pan H; Reissmann P T; Slamon D J; Arceci R;  
 Lu L; Dai W  
 CORPORATE SOURCE: Department of Internal Medicine, University of Cincinnati  
 College of Medicine, Cincinnati, Ohio 45267, USA.  
 CONTRACT NUMBER: R01CA59985 (NCI)  
 SOURCE: Journal of biological chemistry, (1996 Aug 9) 271 (32)  
 19402-8.  
 Journal code: 2985121R. ISSN: 0021-9258.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 OTHER SOURCE: GENBANK-U56998  
 ENTRY MONTH: 199609  
 ENTRY DATE: Entered STN: 19960924  
 Last Updated on STN: 20020420  
 Entered Medline: 19960916

L15 ANSWER 187 OF 241 MEDLINE on STN DUPLICATE 46  
 ACCESSION NUMBER: 97074494 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 8916921  
 TITLE: Purification and characterization of an insulin-stimulated  
 insulin receptor **serine kinase**.  
 AUTHOR: Carter W G; Sullivan A C; Asamoah K A; Sale G J  
 CORPORATE SOURCE: Department of Biochemistry, School of Biological Sciences,  
 University of Southampton, U.K.  
 SOURCE: Biochemistry, (1996 Nov 12) 35 (45) 14340-51.  
 Journal code: 0370623. ISSN: 0006-2960.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199612  
 ENTRY DATE: Entered STN: 19970128  
 Last Updated on STN: 20000303  
 Entered Medline: 19961224

L15 ANSWER 188 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
 on STN  
 ACCESSION NUMBER: 96:410309 SCISEARCH  
 THE GENUINE ARTICLE: UM512  
 TITLE: IDENTIFICATION OF INSULIN-STIMULATED PHOSPHORYLATION SITES  
 ON CALMODULIN  
 AUTHOR: JOYAL J L; CRIMMINS D L; THOMA R S; SACKS D B (Reprint)  
 CORPORATE SOURCE: BRIGHAM & WOMENS HOSP, DEPT PATHOL, 75 FRANCIS ST, THORN  
 430, BOSTON, MA, 02115 (Reprint); BRIGHAM & WOMENS HOSP,  
 DEPT PATHOL, BOSTON, MA, 02115; HARVARD UNIV, SCH MED,  
 BOSTON, MA, 02115; WASHINGTON UNIV, SCH MED, HOWARD HUGHES  
 MED INST, ST LOUIS, MO, 63110  
 COUNTRY OF AUTHOR: USA  
 SOURCE: BIOCHEMISTRY, (21 MAY 1996) Vol. 35, No. 20, pp. 6267-6275  
 ISSN: 0006-2960.  
 DOCUMENT TYPE: Article; Journal  
 FILE SEGMENT: LIFE  
 LANGUAGE: ENGLISH  
 REFERENCE COUNT: 49  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*



L15 ANSWER 189 OF 241 MEDLINE on STN DUPLICATE 47  
 ACCESSION NUMBER: 96198078 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 8626411  
 TITLE: Molecular **cloning** and sequencing of the  
 cytosolic G protein-activated protein **kinase** PAK  
 I.  
 AUTHOR: Jakobi R; Chen C J; Tuazon P T; Traugh J A  
 CORPORATE SOURCE: Department of Biochemistry, University of California,  
 Riverside 92521, USA.  
 CONTRACT NUMBER: GM26738 (NIGMS)  
 SOURCE: Journal of biological chemistry, (1996 Mar 15) 271 (11)  
 6206-11.  
 Journal code: 2985121R. ISSN: 0021-9258.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 OTHER SOURCE: GENBANK-U46915  
 ENTRY MONTH: 199606  
 ENTRY DATE: Entered STN: 19960708  
 Last Updated on STN: 20000303  
 Entered Medline: 19960624

L15 ANSWER 190 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
 on STN

ACCESSION NUMBER: 96:602571 SCISEARCH  
 THE GENUINE ARTICLE: VB415  
 TITLE: **HUMAN**-IMMUNODEFICIENCY-VIRUS TYPE-1 NEF  
 ASSOCIATES WITH A MEMBER OF THE P21-ACTIVATED  
**KINASE** FAMILY  
 AUTHOR: NUNN M F; MARSH J W (Reprint)  
 CORPORATE SOURCE: NIMH, MOL BIOL LAB, BLDG 36, ROOM 1B08, 36 CONVENT DR MSC  
 4034, BETHESDA, MD, 20892 (Reprint); NIMH, MOL BIOL LAB,  
 BETHESDA, MD, 20892  
 COUNTRY OF AUTHOR: USA  
 SOURCE: JOURNAL OF VIROLOGY, (SEP 1996) Vol. 70, No. 9, pp.  
 6157-6161.  
 ISSN: 0022-538X.  
 DOCUMENT TYPE: Article; Journal  
 FILE SEGMENT: LIFE  
 LANGUAGE: ENGLISH  
 REFERENCE COUNT: 59  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 191 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
 on STN

ACCESSION NUMBER: 97:10292 SCISEARCH  
 THE GENUINE ARTICLE: VX690  
 TITLE: Overexpression and activation of hepatocyte growth factor  
 scatter factor in **human** non-small-cell  
**lung carcinomas**  
 AUTHOR: Olivero M; Rizzo M; Madeddu R; Casadio C; Pennacchietti S;  
 Nicotra M R; Prat M; Maggi G; Arena N; Natali P G;  
 Comoglio P M; DiRenzo M F (Reprint)  
 CORPORATE SOURCE: FAC MED, IST ISTOL, VIALE S PETRO 43B, I-07100 SASSARI,  
 ITALY (Reprint); UNIV TURIN, SCH MED, INST CANC RES &  
 TREATMENT, IRCC, I-10126 TURIN, ITALY; UNIV TURIN, SCH  
 MED, DEPT CLIN PATHOPHYSIOL, DIV THORAC SURG, I-10126  
 TURIN, ITALY; UNIV SASSARI, SCH MED, INST HISTOL, I-07100  
 SASSARI, ITALY; REGINA ELENA INST CANC RES, I-00158 ROME,  
 ITALY  
 COUNTRY OF AUTHOR: ITALY  
 SOURCE: BRITISH JOURNAL OF CANCER, (DEC 1996) Vol. 74, No. 12, pp.  
 1862-1868.

Publisher: STOCKTON PRESS, HOUNDMILLS, BASINGSTOKE,  
HAMPSHIRE, ENGLAND RG21 6XS.

ISSN: 0007-0920.

DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE; CLIN  
LANGUAGE: English  
REFERENCE COUNT: 55

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 192 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 96:890536 SCISEARCH

THE GENUINE ARTICLE: VV998

TITLE: Antitumor activity of combined blockade of epidermal  
growth factor receptor and protein **kinase A**

AUTHOR: Ciardiello F (Reprint); Damiano V; Bianco R; Bianco C;  
Fontanini G; DeLaurentiis M; DePlacido S; Mendelsohn J;  
Bianco A R; Tortora G

CORPORATE SOURCE: UNIV NAPLES FEDERICO II, CATTEDRA ONCOL MED, DIPARTIMENTO  
ENDOCRINOL & ONCOL MOL & CLIN, I-80131 NAPLES, ITALY  
(Reprint); UNIV PISA, CATTEDRA ANAT & ISTOL PATOL, I-56100  
PISA, ITALY; UNIV TEXAS, MD ANDERSON CANC CTR, HOUSTON, TX

COUNTRY OF AUTHOR: ITALY; USA

SOURCE: JOURNAL OF THE NATIONAL CANCER INSTITUTE, (4 DEC 1996)  
Vol. 88, No. 23, pp. 1770-1776.  
Publisher: NATL CANCER INSTITUTE, 9030 OLD GEORGETOWN RD,  
BETHESDA, MD 20814.  
ISSN: 0027-8874.

DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE; CLIN  
LANGUAGE: English  
REFERENCE COUNT: 40

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 193 OF 241 MEDLINE on STN

ACCESSION NUMBER: 96208129 MEDLINE

DOCUMENT NUMBER: PubMed ID: 8623922

TITLE: Analysis of p53, K-ras-2, and C-raf-1 in pulmonary  
neuroendocrine tumors. Correlation with histological  
subtype and clinical outcome.

AUTHOR: Przygodzki R M; Finkelstein S D; Langer J C; Swalsky P A;  
Fishback N; Bakker A; Guinee D G; Koss M; Travis W D

CORPORATE SOURCE: Department of Pulmonary and Mediastinal Pathology, Armed  
Forces Institute of Pathology, Washington, DC 20306-6000,  
USA.

SOURCE: American journal of pathology, (1996 May) 148 (5) 1531-41.  
Journal code: 0370502. ISSN: 0002-9440.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals

ENTRY MONTH: 199606

ENTRY DATE: Entered STN: 19960627

Last Updated on STN: 20000303

Entered Medline: 19960620

L15 ANSWER 194 OF 241 LIFESCI COPYRIGHT 2004 CSA on STN

ACCESSION NUMBER: 96:40057 LIFESCI

TITLE: 3pK, a new mitogen-activated protein **kinase**  
-activated protein **kinase** located in the small  
cell lung cancer tumor suppressor gene region

AUTHOR: Sithanandam, G.; Latif, F.; Duh, Fuh-Mei; Bernal, R.;  
Smola, U.; Li, Hua; Kuzmin, I.; Wixler, V.; Geil, L.;  
Shrestha, S.; Lloyd, P.A.; Bader, S.; Sekido, Y.; Tartof,

K.D.; Kashuba, V.I.; et al.  
CORPORATE SOURCE: Lab. Viral Carcinogenesis, Natl. Cancer Inst., Frederick  
Cancer Res. and Dev. Cent., Frederick, MD 21702-1201, USA  
SOURCE: MOL. CELL. BIOL., (1996) vol. 16, no. 3, pp. 868-876.  
ISSN: 0270-7306.  
DOCUMENT TYPE: Journal  
FILE SEGMENT: B; G  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L15 ANSWER 195 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 96:893825 SCISEARCH  
THE GENUINE ARTICLE: VV311  
TITLE: Inhibition of a Src homology 2 domain containing protein  
tyrosine phosphatase by vanadate in the primary culture of  
hepatocytes  
AUTHOR: Pugazhenthii S; Tanha F; Dahl B; Khandelwal R L (Reprint)  
CORPORATE SOURCE: UNIV SASKATCHEWAN, DEPT BIOCHEM, 107 WIGGINS RD,  
SASKATOON, SK S7N 5E5, CANADA (Reprint); UNIV  
SASKATCHEWAN, DEPT BIOCHEM, SASKATOON, SK S7N 5E5, CANADA  
COUNTRY OF AUTHOR: CANADA  
SOURCE: ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, (15 NOV 1996)  
Vol. 335, No. 2, pp. 273-282.  
Publisher: ACADEMIC PRESS INC JNL-COMP SUBSCRIPTIONS, 525  
B ST, STE 1900, SAN DIEGO, CA 92101-4495.  
ISSN: 0003-9861.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 57

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 196 OF 241 MEDLINE on STN DUPLICATE 48  
ACCESSION NUMBER: 96368048 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 8772201  
TITLE: ROCK-I and ROCK-II, two isoforms of Rho-associated  
coiled-coil forming protein **serine/**  
**threonine kinase** in mice.  
AUTHOR: Nakagawa O; Fujisawa K; Ishizaki T; Saito Y; Nakao K;  
Narumiya S  
CORPORATE SOURCE: Department of Pharmacology, Kyoto University Faculty of  
Medicine, Japan.  
SOURCE: FEBS letters, (1996 Aug 26) 392 (2) 189-93.  
Journal code: 0155157. ISSN: 0014-5793.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-U58512; GENBANK-U58513  
ENTRY MONTH: 199610  
ENTRY DATE: Entered STN: 19961106  
Last Updated on STN: 20020420  
Entered Medline: 19961021

L15 ANSWER 197 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1995:825267 HCAPLUS  
DOCUMENT NUMBER: 123:219227  
TITLE: Identification of a **human** type II receptor  
for bone morphogenetic protein-4 that forms  
differential heteromeric complexes with bone  
morphogenetic protein type I receptors  
AUTHOR(S): Nohno, Tsutomu; Ishikawa, Tetsuya; Saito, Taiichi;  
Hosokawa, Keiichi; Noji, Sumihare; Wolsing, Dana

CORPORATE SOURCE: Hance; Rosenbaum, Jan S.  
Dep. Pharmacol., Kawasaki Med. Sch., Kurashiki,  
701-01, Japan  
SOURCE: Journal of Biological Chemistry (1995), 270(38),  
22522-6  
CODEN: JBCHA3; ISSN: 0021-9258  
PUBLISHER: American Society for Biochemistry and Molecular Bio  
logy  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L15 ANSWER 198 OF 241 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN

ACCESSION NUMBER: 1995:360163 BIOSIS  
DOCUMENT NUMBER: PREV199598374463  
TITLE: Isolation and Characterization of **Human** Casein  
**Kinase** I-epsilon (CKI), a Novel Member of the CKI  
Gene Family.  
AUTHOR(S): Fish, Kimberly J.; Cegielska, Aleksandra; Getman, Michael  
E.; Landes, Gregory M.; Virshup, David M. [Reprint author]  
CORPORATE SOURCE: Program Human Mol. Biol., Univ. Utah, Build. 533, Room  
4420A, Salt Lake City, UT 84112, USA  
SOURCE: Journal of Biological Chemistry, (1995) Vol. 270, No. 25,  
pp. 14875-14883.  
CODEN: JBCHA3. ISSN: 0021-9258.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
OTHER SOURCE: EMBL-L37042; EMBL-L37043; Genbank-L37042; Genbank-L37043  
ENTRY DATE: Entered STN: 30 Aug 1995  
Last Updated on STN: 10 Oct 1995

L15 ANSWER 199 OF 241 MEDLINE on STN

ACCESSION NUMBER: 95221370 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 7535768  
TITLE: Isolation and characterization of a novel dual specific  
phosphatase, HVH2, which selectively dephosphorylates the  
mitogen-activated protein **kinase**.  
AUTHOR: Guan K L; Butch E  
CORPORATE SOURCE: Department of Biological Chemistry, University of Michigan  
Medical School, Ann Arbor 48109-0606, USA.  
CONTRACT NUMBER: 5P30A609908 (NIA)  
5T32AG00114 (NIGMS)  
GM51586  
+

SOURCE: Journal of biological chemistry, (1995 Mar 31) 270 (13)  
7197-203.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-U21108  
ENTRY MONTH: 199505  
ENTRY DATE: Entered STN: 19950518  
Last Updated on STN: 20000303  
Entered Medline: 19950510

L15 ANSWER 200 OF 241 MEDLINE on STN

DUPLICATE 49

ACCESSION NUMBER: 95262637 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 7744004  
TITLE: A novel **serine kinase** activated by  
rac1/CDC42Hs-dependent autophosphorylation is related to  
PAK65 and STE20.  
COMMENT: Erratum in: EMBO J. 1995 Sep 1;14(17):4385. PubMed ID:

7556080  
AUTHOR: Martin G A; Bollag G; McCormick F; Abo A  
CORPORATE SOURCE: Onyx Pharmaceuticals, Richmond, CA 94806, USA.  
SOURCE: EMBO journal, (1995 May 1) 14 (9) 1970-8.  
Journal code: 8208664. ISSN: 0261-4189.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-U25975; GENBANK-U35345  
ENTRY MONTH: 199506  
ENTRY DATE: Entered STN: 19950621  
Last Updated on STN: 20020420  
Entered Medline: 19950614

L15 ANSWER 201 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1995:317731 HCAPLUS  
DOCUMENT NUMBER: 122:307919  
TITLE: Multiple dual specificity protein tyrosine  
phosphatases are **expressed** and regulated  
differentially in liver cell lines  
AUTHOR(S): Kwak, Seung P.; Dixon, Jack E.  
CORPORATE SOURCE: Dep. of Biological Chemistry, Univ. of Michigan, Ann  
Arbor, MI, 48109-0606, USA  
SOURCE: Journal of Biological Chemistry (1995), 270(3),  
1156-60  
CODEN: JBCHA3; ISSN: 0021-9258  
PUBLISHER: American Society for Biochemistry and Molecular  
Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L15 ANSWER 202 OF 241 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
RESERVED. on STN DUPLICATE 50  
ACCESSION NUMBER: 95093190 EMBASE  
DOCUMENT NUMBER: 1995093190  
TITLE: The gene encoding the p53-regulated inhibitor of CDKs  
(PIC1) is not **expressed** in the Molt-4 leukemia  
cell line with p53 truncated at the carboxyl terminus, and  
harbors a nucleotide substitution at codon 31 in several  
other cancer cell lines.  
AUTHOR: Chow V.T.K.; Ang W.K.  
CORPORATE SOURCE: Department of Microbiology, Faculty of Medicine, National  
University of Singapore, Kent Ridge, Singapore 0511,  
Singapore  
SOURCE: International Journal of Oncology, (1995) 6/4 (871-876).  
ISSN: 1019-6439 CODEN: IJONES  
COUNTRY: Greece  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 016 Cancer  
022 Human Genetics  
025 Hematology  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L15 ANSWER 203 OF 241 MEDLINE on STN DUPLICATE 51  
ACCESSION NUMBER: 95349952 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 7542763  
TITLE: A **human** homologue of the Drosophila tumour  
suppressor gene 1(2)gl maps to 17p11.2-12 and codes for a  
cytoskeletal protein that associates with nonmuscle myosin  
II heavy chain.  
AUTHOR: Strand D; Unger S; Corvi R; Hartenstein K; Schenkel H;  
Kalmes A; Merdes G; Neumann B; Krieg-Schneider F; Coy J F;

CORPORATE SOURCE: +  
 Department of Developmental Genetics, Deutsches  
 Krebsforschungszentrum, Heidelberg, Germany.  
 SOURCE: Oncogene, (1995 Jul 20) 11 (2) 291-301.  
 Journal code: 8711562. ISSN: 0950-9232.  
 PUB. COUNTRY: ENGLAND: United Kingdom  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 OTHER SOURCE: GENBANK-X86371  
 ENTRY MONTH: 199508  
 ENTRY DATE: Entered STN: 19950911  
 Last Updated on STN: 19960129  
 Entered Medline: 19950831

L15 ANSWER 204 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
 on STN

ACCESSION NUMBER: 94:710808 SCISEARCH  
 THE GENUINE ARTICLE: PQ164  
 TITLE: A SYNTHETIC TRIS-SULFOTYROSYL DODECAPEPTIDE ANALOG OF THE  
 INSULIN-RECEPTOR 1146-KINASE DOMAIN INHIBITS  
 TYROSINE DEPHOSPHORYLATION OF THE INSULIN-RECEPTOR IN-SITU  
 AUTHOR: LIOTTA A S; KOLE H K; FALES H M; ROTH J; BERNIER M  
 (Reprint)  
 CORPORATE SOURCE: NIA, GERONTOL RES CTR, CLIN PHYSIOL LAB, DIABET UNIT, 4940  
 EASTERN AVE, BALTIMORE, MD, 21224 (Reprint); NIA, GERONTOL  
 RES CTR, CLIN PHYSIOL LAB, DIABET UNIT, BALTIMORE, MD,  
 21224; NHLBI, BIOPHYS CHEM LAB, BETHESDA, MD, 20892; JOHNS  
 HOPKINS UNIV, SCH MED, DEPT MED, DIV GERIATR MED &  
 GERONTOL, BALTIMORE, MD, 21224  
 COUNTRY OF AUTHOR: USA  
 SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (16 SEP 1994) Vol. 269,  
 No. 37, pp. 22996-23001.  
 ISSN: 0021-9258.  
 DOCUMENT TYPE: Article; Journal  
 FILE SEGMENT: LIFE  
 LANGUAGE: ENGLISH  
 REFERENCE COUNT: 34

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 205 OF 241 MEDLINE on STN DUPLICATE 52  
 ACCESSION NUMBER: 94266900 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 7515885  
 TITLE: Differential **expression** of a novel protein  
**kinase** in **human** B lymphocytes.  
 Preferential localization in the germinal center.  
 AUTHOR: Katz P; Whalen G; Kehrl J H  
 CORPORATE SOURCE: Laboratory of Immunoregulation, NIAID, National Institutes  
 of Health, Bethesda, Maryland 20892.  
 SOURCE: Journal of biological chemistry, (1994 Jun 17) 269 (24)  
 16802-9.  
 Journal code: 2985121R. ISSN: 0021-9258.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 OTHER SOURCE: GENBANK-U07349  
 ENTRY MONTH: 199407  
 ENTRY DATE: Entered STN: 19940721  
 Last Updated on STN: 20020420  
 Entered Medline: 19940714

L15 ANSWER 206 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1994:237262 HCAPLUS

DOCUMENT NUMBER: 120:237262  
 TITLE: Isolation and characterization of a **human**  
 dual specificity protein-tyrosine phosphatase gene  
 AUTHOR(S): Kwak, Seung P.; Hakes, David J.; Martell, Karen J.;  
 Dixon, Jack E.  
 CORPORATE SOURCE: Dep. Biol. Chem., Univ. Michigan, Ann Arbor, MI,  
 48109-0606, USA  
 SOURCE: Journal of Biological Chemistry (1994), 269(5),  
 3596-604  
 CODEN: JBCHA3; ISSN: 0021-9258  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

L15 ANSWER 207 OF 241 MEDLINE on STN  
 ACCESSION NUMBER: 95095079 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 8001816  
 TITLE: Growth suppression by p18, a p16INK4/MTS1- and  
 p14INK4B/MTS2-related CDK6 inhibitor, correlates with  
 wild-type pRb function.  
 AUTHOR: Guan K L; Jenkins C W; Li Y; Nichols M A; Wu X; O'Keefe C  
 L; Matera A G; Xiong Y  
 CORPORATE SOURCE: Department of Biological Chemistry, University of Michigan,  
 Ann Arbor 48109-0606.  
 CONTRACT NUMBER: GM 51586 (NIGMS)  
 SOURCE: Genes & development, (1994 Dec 15) 8 (24) 2939-52.  
 Journal code: 8711660. ISSN: 0890-9369.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 OTHER SOURCE: GENBANK-U17074; GENBANK-U17075  
 ENTRY MONTH: 199501  
 ENTRY DATE: Entered STN: 19950215  
 Last Updated on STN: 20030207  
 Entered Medline: 19950123

L15 ANSWER 208 OF 241 MEDLINE on STN DUPLICATE 53  
 ACCESSION NUMBER: 94124547 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 8294449  
 TITLE: Melanoma growth stimulatory activity enhances the  
 phosphorylation of the class II interleukin-8 receptor in  
 non-hematopoietic cells.  
 AUTHOR: Mueller S G; Schraw W P; Richmond A  
 CORPORATE SOURCE: Department of Cell Biology, Vanderbilt University,  
 Nashville, Tennessee.  
 CONTRACT NUMBER: CA 34590 (NCI)  
 SOURCE: Journal of biological chemistry, (1994 Jan 21) 269 (3)  
 1973-80.  
 Journal code: 2985121R. ISSN: 0021-9258.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199402  
 ENTRY DATE: Entered STN: 19940314  
 Last Updated on STN: 19970203  
 Entered Medline: 19940225

L15 ANSWER 209 OF 241 MEDLINE on STN DUPLICATE 54  
 ACCESSION NUMBER: 94173904 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 8127874  
 TITLE: Induction and down-regulation of PLK, a **human**  
**serine/threonine kinase**  
**expressed** in proliferating cells and tumors.

AUTHOR: Holtrich U; Wolf G; Brauninger A; Karn T; Bohme B;  
 Rubsamen-Waigmann H; Strebhardt K  
 CORPORATE SOURCE: Chemotherapeutisches Forschungsinstitut, Georg-Speyer-Haus,  
 Frankfurt, Germany.  
 SOURCE: Proceedings of the National Academy of Sciences of the  
 United States of America, (1994 Mar 1) 91 (5) 1736-40.  
 Journal code: 7505876. ISSN: 0027-8424.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 OTHER SOURCE: GENBANK-X75932  
 ENTRY MONTH: 199404  
 ENTRY DATE: Entered STN: 19940420  
 Last Updated on STN: 20020420  
 Entered Medline: 19940411

L15 ANSWER 210 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
 on STN

ACCESSION NUMBER: 94:213207 SCISEARCH

THE GENUINE ARTICLE: NE367

TITLE: CELL CYCLE-DEPENDENT EXPRESSION OF CYCLIN D1 AND  
 A 45 KD PROTEIN IN HUMAN A549 LUNG-  
 CARCINOMA CELLS

AUTHOR: WU F; BUI K C; BUCKLEY S; Warburton D (Reprint)

CORPORATE SOURCE: UNIV SO CALIF, CHILDRENS HOSP LOS ANGELES, SCH MED, DIV  
 NEONATOL & PEDIAT PULMONOL, BOX 83, LOS ANGELES, CA, 90027  
 (Reprint); UNIV SO CALIF, CHILDRENS HOSP LOS ANGELES, SCH  
 MED, DIV NEONATOL & PEDIAT PULMONOL, LOS ANGELES, CA,  
 90027

COUNTRY OF AUTHOR: USA

SOURCE: AMERICAN JOURNAL OF RESPIRATORY CELL AND MOLECULAR BIOLOGY  
 (APR 1994) Vol. 10, No. 4, pp. 437-447.  
 ISSN: 1044-1549.

DOCUMENT TYPE: Article; Journal

FILE SEGMENT: LIFE

LANGUAGE: ENGLISH

REFERENCE COUNT: 75

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 211 OF 241 MEDLINE on STN DUPLICATE 55

ACCESSION NUMBER: 94189676 MEDLINE

DOCUMENT NUMBER: PubMed ID: 8141249

TITLE: Human rsk isoforms: cloning and  
 characterization of tissue-specific expression.

AUTHOR: Moller D E; Xia C H; Tang W; Zhu A X; Jakubowski M

CORPORATE SOURCE: Charles A. Dana Research Institute, Boston, Massachusetts.

CONTRACT NUMBER: DK-45874-01 (NIDDK)

SOURCE: American journal of physiology, (1994 Feb) 266 (2 Pt 1)  
 C351-9.

Journal code: 0370511. ISSN: 0002-9513.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

OTHER SOURCE: GENBANK-L07597; GENBANK-L07598; GENBANK-L07599

ENTRY MONTH: 199404

ENTRY DATE: Entered STN: 19940509

Last Updated on STN: 19940509

Entered Medline: 19940428

L15 ANSWER 212 OF 241 MEDLINE on STN DUPLICATE 56

ACCESSION NUMBER: 94164168 MEDLINE

DOCUMENT NUMBER: PubMed ID: 8119294



TITLE: **Recombinant human casein kinase**  
 II. A study with the complete set of subunits (alpha, alpha' and beta), site-directed autophosphorylation mutants and a bicistronically **expressed** holoenzyme.

AUTHOR: Bodenbach L; Fauss J; Robitzki A; Krehan A; Lorenz P; Lozeman F J; Pyerin W

CORPORATE SOURCE: German Cancer Research Center, Heidelberg.

CONTRACT NUMBER: DK 42528 (NIDDK)  
 GM 42508 (NIGMS)

SOURCE: European journal of biochemistry / FEBS, (1994 Feb 15) 220 (1) 263-73.  
 Journal code: 0107600. ISSN: 0014-2956.

PUB. COUNTRY: GERMANY: Germany, Federal Republic of

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199404

ENTRY DATE: Entered STN: 19940412  
 Last Updated on STN: 20020420  
 Entered Medline: 19940401

L15 ANSWER 213 OF 241 MEDLINE on STN DUPLICATE 57

ACCESSION NUMBER: 94299646 MEDLINE

DOCUMENT NUMBER: PubMed ID: 7517943

TITLE: Induction of cell migration by pro-urokinase binding to its receptor: possible mechanism for signal transduction in **human** epithelial cells.

AUTHOR: Busso N; Masur S K; Lazega D; Waxman S; Ossowski L

CORPORATE SOURCE: Department of Medicine, Mount Sinai School of Medicine, New York 10029.

CONTRACT NUMBER: CA-40758 (NCI)  
 EY09414 (NEI)

SOURCE: Journal of cell biology, (1994 Jul) 126 (1) 259-70.  
 Journal code: 0375356. ISSN: 0021-9525.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199408

ENTRY DATE: Entered STN: 19940818  
 Last Updated on STN: 20000303  
 Entered Medline: 19940808

L15 ANSWER 214 OF 241 MEDLINE on STN

ACCESSION NUMBER: 95028755 MEDLINE

DOCUMENT NUMBER: PubMed ID: 7942276

TITLE: **Human** casein kinase II: structures, genes, **expression** and requirement in cell growth stimulation.

AUTHOR: Pyerin W

CORPORATE SOURCE: German Cancer Research Center, Heidelberg.

SOURCE: Advances in enzyme regulation, (1994) 34 225-46.  
 Journal code: 0044263. ISSN: 0065-2571.

PUB. COUNTRY: ENGLAND: United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

OTHER SOURCE: GENBANK-X57152; GENBANK-X64692; GENBANK-X69951; GENBANK-X69952

ENTRY MONTH: 199411

ENTRY DATE: Entered STN: 19941222  
 Last Updated on STN: 20020420  
 Entered Medline: 19941115

L15 ANSWER 215 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 94:736322 SCISEARCH  
THE GENUINE ARTICLE: PR654  
TITLE: THIOPHOSPHORYLATED SUBSTRATE-ANALOGS ARE POTENT  
ACTIVE-SITE-DIRECTED INHIBITORS OF PROTEIN-TYROSINE  
PHOSPHATASES  
AUTHOR: HIRIYANNA K T (Reprint); BAEDKE D; BAEK K H; FORNEY B A;  
KORDIYAK G; INGEBRITSEN T S  
CORPORATE SOURCE: IOWA STATE UNIV SCI & TECHNOL, DEPT ZOOL & GENET, AMES,  
IA, 50011 (Reprint)  
COUNTRY OF AUTHOR: USA  
SOURCE: ANALYTICAL BIOCHEMISTRY, (15 NOV 1994) Vol. 223, No. 1,  
pp. 51-58.  
ISSN: 0003-2697.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: ENGLISH  
REFERENCE COUNT: 33  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 216 OF 241 LIFESCI COPYRIGHT 2004 CSA on STN

ACCESSION NUMBER: 94:84386 LIFESCI  
TITLE: Differential **expression** of a novel protein  
**kinase** in **human** B lymphocytes.  
Preferential localization in the germinal center  
AUTHOR: Katz, P.; Whalen, G.; Kehrl, J.H.\*  
CORPORATE SOURCE: NIH, Build. 10, Rm. 11B-13, Bethesda, MD 20892, USA  
SOURCE: J. BIOL. CHEM., (1994)16802-1680) vol. 269, no. 24, pp.  
0021-9258.  
DOCUMENT TYPE: Journal  
FILE SEGMENT: F; G3  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L15 ANSWER 217 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 93:689742 SCISEARCH  
THE GENUINE ARTICLE: MG673  
TITLE: PURIFICATION AND CHARACTERIZATION OF A MITOGEN-ACTIVATED  
PROTEIN-**KINASE** TYROSINE PHOSPHATASE FROM XENOPUS  
EGGS  
AUTHOR: SARCEVIC B; ERIKSON E; MALLER J L (Reprint)  
CORPORATE SOURCE: UNIV COLORADO, SCH MED, HOWARD HUGHES MED INST, DENVER,  
CO, 80262; UNIV COLORADO, SCH MED, DEPT PHARMACOL, DENVER,  
CO, 80262  
COUNTRY OF AUTHOR: USA  
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (25 NOV 1993) Vol. 268,  
No. 33, pp. 25075-25083.  
ISSN: 0021-9258.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: ENGLISH  
REFERENCE COUNT: 49  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 218 OF 241 MEDLINE on STN

ACCESSION NUMBER: 93374942 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 8366096  
TITLE: Molecular **cloning** and **expression** of  
GRK6. A new member of the G protein-coupled receptor  
**kinase** family.  
AUTHOR: Benovic J L; Gomez J  
CORPORATE SOURCE: Department of Pharmacology, Jefferson Cancer Institute,

Thomas Jefferson University, Philadelphia, Pennsylvania  
19107.

CONTRACT NUMBER: GM44944 (NIGMS)  
HL45964 (NHLBI)

SOURCE: Journal of biological chemistry, (1993 Sep 15) 268 (26)  
19521-7.

Journal code: 2985121R. ISSN: 0021-9258.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

OTHER SOURCE: GENBANK-L16862

ENTRY MONTH: 199310

ENTRY DATE: Entered STN: 19931022

Last Updated on STN: 20000303

Entered Medline: 19931007

L15 ANSWER 219 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 93:238590 SCISEARCH

THE GENUINE ARTICLE: KW979

TITLE: A PROTEIN-TYROSINE **SERINE** PHOSPHATASE ENCODED BY  
THE GENOME OF THE CYANOBACTERIUM NOSTOC-COMMUNE UTEX-584

AUTHOR: POTTS M (Reprint); SUN H; MOCKAITIS K; KENNELLY P J; REED  
D; TONKS N K

CORPORATE SOURCE: VIRGINIA POLYTECH INST & STATE UNIV, DEPT BIOCHEM & NUTR,  
BLACKSBURG, VA, 24061 (Reprint); COLD SPRING HARBOR LAB,  
COLD SPRING HARBOR, NY, 11724

COUNTRY OF AUTHOR: USA

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (15 APR 1993) Vol. 268,  
No. 11, pp. 7632-7635.  
ISSN: 0021-9258.

DOCUMENT TYPE: Note; Journal

FILE SEGMENT: LIFE

LANGUAGE: ENGLISH

REFERENCE COUNT: 26

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 220 OF 241 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
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ACCESSION NUMBER: 93321130 EMBASE

DOCUMENT NUMBER: 1993321130

TITLE: Reconstitution of the Raf-1-MEK-ERK signal transduction  
pathway in vitro.

AUTHOR: Macdonald S.G.; Crews C.M.; Wu L.; Driller J.; Clark R.;  
Erikson R.L.; McCormick F.

CORPORATE SOURCE: Onyx Pharmaceuticals, Richmond, CA 94806, United States  
SOURCE: Molecular and Cellular Biology, (1993) 13/11 (6615-6620).  
ISSN: 0270-7306 CODEN: MCEBD4

COUNTRY: United States

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 029 Clinical Biochemistry

LANGUAGE: English

SUMMARY LANGUAGE: English

L15 ANSWER 221 OF 241 MEDLINE on STN

ACCESSION NUMBER: 93296183 MEDLINE

DOCUMENT NUMBER: PubMed ID: 7685906

TITLE: **Cloning and expression of GRK5: a**  
member of the G protein-coupled receptor **kinase**  
family.

AUTHOR: Kunapuli P; Benovic J L

CORPORATE SOURCE: Department of Pharmacology, Jefferson Cancer Institute,  
Thomas Jefferson University, Philadelphia, PA 19107.

CONTRACT NUMBER: GM44944 (NIGMS)  
SOURCE: Proceedings of the National Academy of Sciences of the  
United States of America, (1993 Jun 15) 90 (12) 5588-92.  
Journal code: 7505876. ISSN: 0027-8424.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-L15388  
ENTRY MONTH: 199307  
ENTRY DATE: Entered STN: 19930806  
Last Updated on STN: 20000303  
Entered Medline: 19930722

L15 ANSWER 222 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 93:357515 SCISEARCH  
THE GENUINE ARTICLE: LF285  
TITLE: THE GROWTH FACTOR-INDUCIBLE IMMEDIATE-EARLY GENE 3CH134  
ENCODES A PROTEIN-TYROSINE-PHOSPHATASE  
AUTHOR: CHARLES C H (Reprint); SUN H; LAU L F; TONKS N K  
CORPORATE SOURCE: UNIV ILLINOIS, COLL MED, DEPT GENET, 808 S WOOD ST,  
CHICAGO, IL, 60612 (Reprint); COLD SPRING HARBOR LAB, COLD  
SPRING HARBOR, NY, 11724  
COUNTRY OF AUTHOR: USA  
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE  
UNITED STATES OF AMERICA, (01 JUN 1993) Vol. 90, No. 11,  
pp. 5292-5296.  
ISSN: 0027-8424.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: ENGLISH  
REFERENCE COUNT: 31  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 223 OF 241 MEDLINE on STN

ACCESSION NUMBER: 93233644 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 8386317  
TITLE: Nuclear protein phosphatase 2A dephosphorylates protein  
**kinase** A-phosphorylated CREB and regulates CREB  
transcriptional stimulation.  
AUTHOR: Wadzinski B E; Wheat W H; Jaspers S; Peruski L F Jr;  
Lickteig R L; Johnson G L; Klemm D J  
CORPORATE SOURCE: Division of Basic Sciences, National Jewish Center for  
Immunology and Respiratory Medicine, Denver, Colorado  
80206.  
CONTRACT NUMBER: DK37871 (NIDDK)  
SOURCE: Molecular and cellular biology, (1993 May) 13 (5) 2822-34.  
Journal code: 8109087. ISSN: 0270-7306.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199305  
ENTRY DATE: Entered STN: 19930604  
Last Updated on STN: 19980206  
Entered Medline: 19930518

L15 ANSWER 224 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 93:589609 SCISEARCH  
THE GENUINE ARTICLE: LY555  
TITLE: IDENTIFICATION AND **EXPRESSION** OF 2 FORMS OF THE  
**HUMAN** TRANSFORMING GROWTH FACTOR-BETA-BINDING

PROTEIN ENDOGLIN WITH DISTINCT CYTOPLASMIC REGIONS  
AUTHOR: BELLON T; CORBI A; LASTRES P; CALES C; CEBRIAN M; VERA S;  
CHEIFETZ S; MASSAGUE J; LETARTE M; BERNABEU C (Reprint)  
CORPORATE SOURCE: CSIC, CTR INVEST BIOL, VELAZQUEZ 144, E-28006 MADRID,  
SPAIN; HOSP LA PRINCESA, UNIDAD BIOL MOLEC, MADRID, SPAIN;  
HOSP SICK CHILDREN, DIV IMMUNOL & CANC RES, TORONTO M5G  
1X8, ONTARIO, CANADA; MEM SLOAN KETTERING CANC CTR, HOWARD  
HUGHES MED INST, CELL BIOL & GENET PROGRAM, NEW YORK, NY,  
10021  
COUNTRY OF AUTHOR: SPAIN; CANADA; USA  
SOURCE: EUROPEAN JOURNAL OF IMMUNOLOGY, (SEP 1993) Vol. 23, No. 9,  
pp. 2340-2345.  
ISSN: 0014-2980.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: ENGLISH  
REFERENCE COUNT: 27  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 225 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 93:239275 SCISEARCH  
THE GENUINE ARTICLE: KX081  
TITLE: PROTEIN TYROSINE PHOSPHATASE-1B UNDERGOES MITOSIS-SPECIFIC  
PHOSPHORYLATION ON SERINE  
AUTHOR: SCHIEVELLA A R (Reprint); PAIGE L A; JOHNSON K A; HILL D  
E; ERIKSON R L  
CORPORATE SOURCE: HARVARD UNIV, DEPT CELLULAR & DEV BIOL, 16 DIVIN AVE,  
CAMBRIDGE, MA, 02138 (Reprint); ONCOGENE SCI, CAMBRIDGE,  
MA, 00000  
COUNTRY OF AUTHOR: USA  
SOURCE: CELL GROWTH & DIFFERENTIATION, (APR 1993) Vol. 4, No. 4,  
pp. 239-246.  
ISSN: 1044-9523.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: ENGLISH  
REFERENCE COUNT: 39  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 226 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 92:735668 SCISEARCH  
THE GENUINE ARTICLE: KC844  
TITLE: EXPRESSION CLONING OF A HUMAN  
DUAL-SPECIFICITY PHOSPHATASE  
AUTHOR: ISHIBASHI T; BOTTARO D P; CHAN A; MIKI T; AARONSON S A  
(Reprint)  
CORPORATE SOURCE: NCI, CELLULAR & MOLEC BIOL LAB, BETHESDA, MD, 20892  
(Reprint); NCI, CELLULAR & MOLEC BIOL LAB, BETHESDA, MD,  
20892  
COUNTRY OF AUTHOR: USA  
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE  
UNITED STATES OF AMERICA, (15 DEC 1992) Vol. 89, No. 24,  
pp. 12170-12174.  
ISSN: 0027-8424.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: ENGLISH  
REFERENCE COUNT: 39  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 227 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 92:278710 SCISEARCH  
 THE GENUINE ARTICLE: HQ338  
 TITLE: CHARACTERIZATION OF HEMATOPOIETIC INTRACELLULAR PROTEIN  
 TYROSINE PHOSPHATASES - DESCRIPTION OF A PHOSPHATASE  
 CONTAINING AN SH2 DOMAIN AND ANOTHER ENRICHED IN  
 PROLINE-RICH, GLUTAMIC ACID-RICH, **SERINE**-RICH,  
 AND **THREONINE**-RICH SEQUENCES  
 AUTHOR: MATTHEWS R J; BOWNE D B; FLORES E; THOMAS M L (Reprint)  
 CORPORATE SOURCE: WASHINGTON UNIV, SCH MED, HOWARD HUGHES MED INST, 660 S  
 EUCLID AVE, ST LOUIS, MO, 63110; WASHINGTON UNIV, SCH MED,  
 DEPT PATHOL, ST LOUIS, MO, 63110  
 COUNTRY OF AUTHOR: USA  
 SOURCE: MOLECULAR AND CELLULAR BIOLOGY, (MAY 1992) Vol. 12, No. 5,  
 pp. 2396-2405.  
 ISSN: 0270-7306.  
 DOCUMENT TYPE: Article; Journal  
 FILE SEGMENT: LIFE  
 LANGUAGE: ENGLISH  
 REFERENCE COUNT: 67  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 228 OF 241 MEDLINE on STN DUPLICATE 58  
 ACCESSION NUMBER: 93018847 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 1383382  
 TITLE: **Cloning** and characterization of the cDNA coding  
 for a polymyositis-scleroderma overlap syndrome-related  
 nucleolar 100-kD protein.  
 AUTHOR: Bluthner M; Bautz F A  
 CORPORATE SOURCE: Institute of Molecular Genetics, University of Heidelberg,  
 Germany.  
 SOURCE: Journal of experimental medicine, (1992 Oct 1) 176 (4)  
 973-80.  
 Journal code: 2985109R. ISSN: 0022-1007.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 OTHER SOURCE: GENBANK-L14735; GENBANK-L14736; GENBANK-L14737;  
 GENBANK-L14738; GENBANK-L14739; GENBANK-L14740;  
 GENBANK-S45697; GENBANK-S45699; GENBANK-S45702;  
 GENBANK-X66113  
 ENTRY MONTH: 199211  
 ENTRY DATE: Entered STN: 19930122  
 Last Updated on STN: 19970203  
 Entered Medline: 19921102

L15 ANSWER 229 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
 on STN  
 ACCESSION NUMBER: 92:100175 SCISEARCH  
 THE GENUINE ARTICLE: HD398  
 TITLE: THE NONTRANSMEMBRANE TYROSINE PHOSPHATASE PTP-1B LOCALIZES  
 TO THE ENDOPLASMIC-RETICULUM VIA ITS 35 AMINO-ACID  
 C-TERMINAL SEQUENCE  
 AUTHOR: FRANGIONI J V (Reprint); BEAHM P H; SHIFRIN V; JOST C A;  
 NEEL B G  
 CORPORATE SOURCE: BETH ISRAEL HOSP, MOLEC MED UNIT, BOSTON, MA, 02215  
 (Reprint)  
 COUNTRY OF AUTHOR: USA  
 SOURCE: CELL, (07 FEB 1992) Vol. 68, No. 3, pp. 545-560.  
 ISSN: 0092-8674.  
 DOCUMENT TYPE: Article; Journal  
 FILE SEGMENT: LIFE  
 LANGUAGE: ENGLISH  
 REFERENCE COUNT: 55

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 230 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 91:398339 SCISEARCH  
THE GENUINE ARTICLE: FW761  
TITLE: ISOLATION OF A CDNA **CLONE** ENCODING A  
**HUMAN** PROTEIN-TYROSINE PHOSPHATASE WITH HOMOLOGY  
TO THE CYTOSKELETAL-ASSOCIATED PROTEINS BAND-4.1, EZRIN,  
AND TALIN  
AUTHOR: YANG Q; TONKS N K (Reprint)  
CORPORATE SOURCE: COLD SPRING HARBOR LAB, POB 100, COLD SPRING HARBOR, NY,  
11724  
COUNTRY OF AUTHOR: USA  
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE  
UNITED STATES OF AMERICA, (1991) Vol. 88, No. 14, pp.  
5949-5953.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: ENGLISH  
REFERENCE COUNT: 43

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 231 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 91:383965 SCISEARCH  
THE GENUINE ARTICLE: FU962  
TITLE: ABNORMAL REGULATION OF PROTEIN TYROSINE  
PHOSPHATASE-ACTIVITIES IN SKELETAL-MUSCLE OF  
INSULIN-RESISTANT **HUMANS**  
AUTHOR: MCGUIRE M C; FIELDS R M; NYOMBA B L; RAZ I; BOGARDUS C;  
TONKS N K; SOMMERCORN J (Reprint)  
CORPORATE SOURCE: NIDDKD, CLIN DIABET & NUTR SECT, 4212 N 16TH ST, PHOENIX,  
AZ, 85016; COLD SPRING HARBOR LAB, COLD SPRING HARBOR, NY,  
11724  
COUNTRY OF AUTHOR: USA  
SOURCE: DIABETES, (1991) Vol. 40, No. 7, pp. 939-942.  
DOCUMENT TYPE: Note; Journal  
FILE SEGMENT: LIFE; CLIN  
LANGUAGE: ENGLISH  
REFERENCE COUNT: 24

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 232 OF 241 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 91:557757 SCISEARCH  
THE GENUINE ARTICLE: GJ320  
TITLE: CDC25 IS A SPECIFIC TYROSINE PHOSPHATASE THAT DIRECTLY  
ACTIVATES P34CDC2  
AUTHOR: GAUTIER J (Reprint); SOLOMON M J; BOOHER R N; BAZAN J F;  
KIRSCHNER M W  
CORPORATE SOURCE: UNIV CALIF SAN FRANCISCO, DEPT BIOCHEM & BIOPHYS, SAN  
FRANCISCO, CA, 94143 (Reprint)  
COUNTRY OF AUTHOR: USA  
SOURCE: CELL, (1991) Vol. 67, No. 1, pp. 197-211.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: ENGLISH  
REFERENCE COUNT: 85

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L15 ANSWER 233 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1990:438157 HCAPLUS  
DOCUMENT NUMBER: 113:38157

TITLE: p180, A novel recycling transmembrane glycoprotein  
with restricted cell type **expression**  
AUTHOR(S): Isacke, Clare M.; Van der Geer, Peter; Hunter, Tony;  
Trowbridge, Ian S.  
CORPORATE SOURCE: Imp. Coll. Sci. Technol., Univ. London, London, SW7  
2AZ, UK  
SOURCE: Molecular and Cellular Biology (1990), 10(6), 2606-18  
CODEN: MCEBD4; ISSN: 0270-7306  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L15 ANSWER 234 OF 241 MEDLINE on STN DUPLICATE 59  
ACCESSION NUMBER: 90234695 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 2110001  
TITLE: **Threonine** 1336 of the **human** insulin  
receptor is a major target for phosphorylation by protein  
**kinase C**.  
AUTHOR: Lewis R E; Cao L; Perregaux D; Czech M P  
CORPORATE SOURCE: Department of Biochemistry, University of Massachusetts  
Medical Center, Worcester 01655.  
CONTRACT NUMBER: DK 30898 (NIDDK)  
SOURCE: Biochemistry, (1990 Feb 20) 29 (7) 1807-13.  
Journal code: 0370623. ISSN: 0006-2960.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199006  
ENTRY DATE: Entered STN: 19900706  
Last Updated on STN: 20000303  
Entered Medline: 19900606

L15 ANSWER 235 OF 241 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
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ACCESSION NUMBER: 90086754 EMBASE  
DOCUMENT NUMBER: 1990086754  
TITLE: Insulin-induced phosphorylation of the beta-4 integrin  
subunit **expressed** on murine metastatic carcinoma  
cells.  
AUTHOR: Falcioni R.; Perrotti N.; Piaggio G.; Kennel S.K.; Sacchi  
A.  
CORPORATE SOURCE: Lab. di Oncogenesi Molecolare, Istituto Regina Elena, Viale  
Regina Elena 291, 00161 Rome, Italy  
SOURCE: Molecular Carcinogenesis, (1989) 2/6 (361-368).  
ISSN: 0899-1987 CODEN: MOCAE8  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 015 Chest Diseases, Thoracic Surgery and Tuberculosis  
016 Cancer  
029 Clinical Biochemistry  
037 Drug Literature Index  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L15 ANSWER 236 OF 241 MEDLINE on STN  
ACCESSION NUMBER: 89325340 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 2666134  
TITLE: **Human** phosvitin/casein **kinase** type II.  
Molecular **cloning** and sequencing of full-length  
cDNA encoding subunit beta.  
AUTHOR: Jakobi R; Voss H; Pyerin W  
CORPORATE SOURCE: Institute of Experimental Pathology, German Cancer Research  
Center, Heidelberg, Federal Republic of Germany.  
SOURCE: European journal of biochemistry / FEBS, (1989 Jul 15) 183



(1) 227-33.

Journal code: 0107600. ISSN: 0014-2956.

PUB. COUNTRY: GERMANY: Germany, Federal Republic of  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-X16312  
ENTRY MONTH: 198909  
ENTRY DATE: Entered STN: 19900309  
Last Updated on STN: 20020420  
Entered Medline: 19890907

L15 ANSWER 237 OF 241 MEDLINE on STN DUPLICATE 61

ACCESSION NUMBER: 88228020 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 2967291  
TITLE: **Cloning and expression** of cDNA for  
human endonexin II, a Ca<sup>2+</sup> and phospholipid binding  
protein.  
AUTHOR: Kaplan R; Jaye M; Burgess W H; Schlaepfer D D; Haigler H T  
CORPORATE SOURCE: Division of Molecular Biology, Rorer Biotechnology Inc.,  
Springfield, Virginia 22151.  
CONTRACT NUMBER: GM357844 (NIGMS)  
SOURCE: Journal of biological chemistry, (1988 Jun 15) 263 (17)  
8037-43.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-J03745  
ENTRY MONTH: 198807  
ENTRY DATE: Entered STN: 19900308  
Last Updated on STN: 19970203  
Entered Medline: 19880713

L15 ANSWER 238 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1989:3668 HCAPLUS  
DOCUMENT NUMBER: 110:3668  
TITLE: The leukocyte common antigen (CD45): a putative  
receptor-linked protein tyrosine phosphatase  
AUTHOR(S): Charbonneau, Harry; Tonks, Nicholas K.; Walsh, Kenneth  
A.; Fischer, Edmond H.  
CORPORATE SOURCE: Dep. Biochem., Univ. Washington, Seattle, WA, 98195,  
USA  
SOURCE: Proceedings of the National Academy of Sciences of the  
United States of America (1988), 85(19), 7182-6  
CODEN: PNASA6; ISSN: 0027-8424  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L15 ANSWER 239 OF 241 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1988:525003 HCAPLUS  
DOCUMENT NUMBER: 109:125003  
TITLE: Analysis of the sites of phosphorylation of the  
insulin receptor in vitro and in vivo  
AUTHOR(S): Tavaré, Jeremy M.; O'Brien, Richard M.; Pillay, T. S.;  
Dickens, Martin; Siddle, Kenneth; Denton, Richard M.  
CORPORATE SOURCE: Med. Sch., Univ. Bristol, Bristol, BS8 1TD, UK  
SOURCE: Biochemical Society Transactions (1988), 16(6), 1065-6  
CODEN: BCSTB5; ISSN: 0300-5127  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L15 ANSWER 240 OF 241 MEDLINE on STN DUPLICATE 62

ACCESSION NUMBER: 88196432 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 3360145  
 TITLE: Polylysine activates and alters the divalent cation requirements of the insulin receptor protein tyrosine kinase.  
 AUTHOR: Rosen O M; Lebowitz D E  
 CORPORATE SOURCE: Program in Molecular Biology, Memorial Sloan-Kettering Cancer Center, New York, NY 10021.  
 CONTRACT NUMBER: AM 35158 (NIADDK)  
                   DDK-B 1 K11DK01799 (NIDDK)  
                   GM 34555 (NIGMS)  
 SOURCE: FEBS letters, (1988 Apr 25) 231 (2) 397-401.  
           Journal code: 0155157. ISSN: 0014-5793.  
 PUB. COUNTRY: Netherlands  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 198806  
 ENTRY DATE: Entered STN: 19900308  
               Last Updated on STN: 20000303  
               Entered Medline: 19880601

L15 ANSWER 241 OF 241 MEDLINE on STN DUPLICATE 63  
 ACCESSION NUMBER: 84185613 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 6325418  
 TITLE: Insulin-stimulated tyrosine protein kinase.  
           Characterization and relation to the insulin receptor.  
 AUTHOR: Nemenoff R A; Kwok Y C; Shulman G I; Blackshear P J;  
           Osathanondh R; Avruch J  
 CONTRACT NUMBER: AM07028 (NIADDK)  
                   AM17776 (NIADDK)  
 SOURCE: Journal of biological chemistry, (1984 Apr 25) 259 (8)  
           5058-65.  
           Journal code: 2985121R. ISSN: 0021-9258.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 198405  
 ENTRY DATE: Entered STN: 19900319  
               Last Updated on STN: 20000303  
               Entered Medline: 19840530

=> e webster m/au

E1	2	WEBSTER LYNN R/AU
E2	10	WEBSTER LYNNE/AU
E3	831 -->	WEBSTER M/AU
E4	189	WEBSTER M A/AU
E5	4	WEBSTER M B/AU
E6	9	WEBSTER M C/AU
E7	51	WEBSTER M D/AU
E8	4	WEBSTER M DOROTHY/AU
E9	145	WEBSTER M E/AU
E10	51	WEBSTER M E D/AU
E11	115	WEBSTER M F/AU
E12	1	WEBSTER M F H/AU

=> s e3

L16 831 "WEBSTER M"/AU

=> e yan c/au

E1	1	YAN BUYU/AU
E2	1	YAN BY ZHANQING/AU

E3	1071	--> YAN C/AU
E4	2	YAN C B/AU
E5	123	YAN C C/AU
E6	8	YAN C C S/AU
E7	3	YAN C CHAN/AU
E8	16	YAN C D/AU
E9	1	YAN C D L/AU
E10	21	YAN C F/AU
E11	49	YAN C G/AU
E12	466	YAN C H/AU

=> s e3

L17 1071 "YAN C"/AU

=> e difrancesco v/au

E1	1	DIFRANCESCO U/AU
E2	1	DIFRANCESCO U M/AU
E3	99	--> DIFRANCESCO V/AU
E4	17	DIFRANCESCO VALENTINA/AU
E5	1	DIFRANCESCO L/AU
E6	1	DIFRANCESCO D/AU
E7	2	DIFRANCESCO L/AU
E8	1	DIFRANCESCO R/AU
E9	1	DIFRANCESCO ROBIN/AU
E10	1	DIFRANCESCO L/AU
E11	6	DIFRANCIA C/AU
E12	4	DIFRANCIA CELENE/AU

=> s e3-e4

L18 116 ("DIFRANCESCO V"/AU OR "DIFRANCESCO VALENTINA"/AU)

=> e beasley e/au

E1	2	BEASLEY DORIAN/AU
E2	3	BEASLEY DUANE/AU
E3	29	--> BEASLEY E/AU
E4	2	BEASLEY E C/AU
E5	2	BEASLEY E D/AU
E6	16	BEASLEY E G/AU
E7	1	BEASLEY E H/AU
E8	6	BEASLEY E L/AU
E9	316	BEASLEY E M/AU
E10	7	BEASLEY E O/AU
E11	1	BEASLEY E S G/AU
E12	2	BEASLEY E T/AU

=> s e3

L19 29 "BEASLEY E"/AU

=> d his

(FILE 'HOME' ENTERED AT 11:15:10 ON 03 DEC 2004)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 11:15:34 ON 03 DEC 2004

L1	1259834	S KINASE?
L2	418869	S SERINE OR THREONINE
L3	100978	S L1 AND L2
L4	41255	S HUMAN AND L3
L5	6819123	S CLON? OR EXPRESS? OR RECOMBINANT
L6	24103	S L4 AND L5
L7	260007	S (LUNG(A) CARCINOMA) OR PLACENTA
L8	455	S L6 AND L7
L9	41255	S HUMAN (A) L3
L10	455	S L8 AND L9

L11 12930 S "CHROMOSOME 13"  
 L12 2 S L10 AND L11  
 L13 2 DUP REM L12 (0 DUPLICATES REMOVED)  
 L14 24103 S L6 AND L9  
 L15 241 DUP REM L8 (214 DUPLICATES REMOVED)  
 E WEBSTER M/AU  
 L16 831 S E3  
 E YAN C/AU  
 L17 1071 S E3  
 E DIFRANCESCO V/AU  
 L18 116 S E3-E4  
 E BEASLEY E/AU  
 L19 29 S E3

=> s l16 or l17 or l18 or l19  
 L20 2020 L16 OR L17 OR L18 OR L19

=> s l4 and l20  
 L21 12 L4 AND L20

=> dup rem l21  
 PROCESSING COMPLETED FOR L21  
 L22 11 DUP REM L21 (1 DUPLICATE REMOVED)

=> d 1-11 ibib ab

L22 ANSWER 1 OF 11 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
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ACCESSION NUMBER: 2004108651 EMBASE  
 TITLE: 14-3-3 $\beta$  Binds to Big Mitogen-activated Protein  
 Kinase 1 (BMK1/ERK5) and Regulates BMK1 Function.  
 AUTHOR: Zheng Q.; Yin G.; Yan C.; Cavet M.; Berk B.C.  
 CORPORATE SOURCE: B.C. Berk, Center for Cardiovascular Research, University  
 of Rochester, Box 679, 601 Elmwood Ave., Rochester, NY  
 14642, United States. bradford\_berk@urmc.rochester.edu  
 SOURCE: Journal of Biological Chemistry, (5 Mar 2004) 279/10  
 (8787-8791).  
 Refs: 21  
 ISSN: 0021-9258 CODEN: JBCHA3  
 COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article  
 FILE SEGMENT: 029 Clinical Biochemistry  
 LANGUAGE: English  
 SUMMARY LANGUAGE: English

AB Big mitogen-activated **kinase** 1 (BMK1/ERK5) is a member of the  
 MAPK family activated by growth factors that mediates cell growth and  
 survival. Previous data show that BMK1 can be activated by steady laminar  
 flow and is atheroprotective by preventing endothelial cells from  
 undergoing apoptosis. The primary structure of BMK1 is distinct from other  
 MAPK members by virtue of a unique long C-tail, suggesting specific  
 mechanisms of regulation. To characterize regulatory mechanisms for BMK1  
 function, we identified binding proteins by yeast two-hybrid analysis.  
 Among these proteins, the scaffolding protein 14-3-3 was identified. BMK1  
 bound to 14-3-3 $\beta$  in vitro and in vivo as demonstrated by glutathione  
 S-transferase (GST)-14-3-3 $\beta$  fusion protein pull-down assays and  
 coimmunoprecipitation. Phosphorylation of BMK1 was most likely required  
 for this interaction. GST-14-3-3 $\beta$  pull-down assays using truncated  
 constructs of BMK1 and site-directed BMK1 mutants demonstrated that the  
 interaction requires **serine** 486 within the C terminus of BMK1.  
 BMK1 bound to 14-3-3 $\beta$  basally, and the interaction was greatly  
 abrogated when BMK1 was activated. The interaction of 14-3-3 $\beta$  and  
 BMK1 inhibited **kinase** activities stimulated by constitutively  
 active (CA)-MEK5 and epidermal growth factor. Mutation of **serine**  
 486 (BMK1-S486A) prevented the interaction with 14-3-3 $\beta$  and enhanced

BMK1 activity upon epidermal growth factor stimulation. These data demonstrate an inhibitory function for 14.3.3 $\beta$  binding to BMK1 and show that **serine** 486 phosphorylation represents a novel regulatory mechanism for BMK1.

L22 ANSWER 2 OF 11 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
on STN

ACCESSION NUMBER: 2004022076 EMBASE  
TITLE: GIT1 Functions as a Scaffold for MEK1-Extracellular  
Signal-Regulated **Kinase** 1 and 2 Activation by  
Angiotensin II and Epidermal Growth Factor.  
AUTHOR: Yin G.; Haendeler J.; **Yan C.**; Berk B.C.  
CORPORATE SOURCE: B.C. Berk, Center for Cardiovascular Research, University  
of Rochester, 601 Elmwood Ave., Rochester, NY 14642, United  
States. bradford\_berk@urmc.rochester.edu  
SOURCE: Molecular and Cellular Biology, (2004) 24/2 (875-885).  
Refs: 53  
ISSN: 0270-7306 CODEN: MCEBD4  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 029 Clinical Biochemistry  
LANGUAGE: English  
SUMMARY LANGUAGE: English

AB Activation of the mitogen-activated protein **kinase** pathway  
represented by extracellular signal-regulated **kinases**  
(ERK1/2) (ERK1/2) and activation of the upstream **kinase**  
(MEK1) (MEK1) are critical events for growth factor signal transduction.  
c-Src has been proposed as a common mediator for these signals in  
response to both G protein-coupled receptors (GPCRs) (GPCRs) and tyrosine  
**kinase**-coupled receptors (TKRs). Here we show that the GPCR  
**kinase**-interacting protein 1 (GIT1) (GIT1) is a substrate for  
c-Src that associates with MEK1 MEK1 in vascular smooth-muscle cells  
and **human** embryonic kidney 293 cells. GIT1 GIT1 binding  
via coiled-coil domains and a Spa2 homology domain is required for  
sustained activation of MEK1-ERK1/2 MEK1-ERK1/2 after stimulation with  
angiotensin II and epidermal growth factor. We propose that GIT1 GIT1  
serves as a scaffold protein to facilitate c-Src-dependent activation  
of MEK1 MEK1-ERK1/2 in response to both GPCRs and TKRs TKRS.

L22 ANSWER 3 OF 11 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN

ACCESSION NUMBER: 2004-11100 BIOTECHDS  
TITLE: Novel **human kinase** protein, related to  
**serine/threonine kinase**  
subfamily, useful as model for developing **human**  
therapeutic targets and serves as target for **human**  
therapeutics;  
vector-mediated protein-**kinase** gene transfer and  
expression in host cell for recombinant protein  
production, drug screening and gene therapy  
AUTHOR: NEELAM B; YAN X; **YAN C**  
PATENT ASSIGNEE: APPLERA CORP  
PATENT INFO: US 2003207311 6 Nov 2003  
APPLICATION INFO: US 2003-427923 2 May 2003  
PRIORITY INFO: US 2003-427923 2 May 2003; US 2002-377592 6 May 2002  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: WPI: 2004-166978 [16]

AB DERWENT ABSTRACT:  
NOVELTY - An isolated **human kinase** peptide (I) that  
is related to **serine/threonine kinase**  
subfamily, consisting or comprising a fully defined sequence of 318 amino  
acids (S2) as given in the specification, or its fragment comprising 10  
contiguous amino acids, or an amino acid sequence of an allelic variant  
or ortholog of the amino acid sequence of (S2), is new.

**DETAILED DESCRIPTION** - An isolated **human kinase** peptide (I) that is related to **serine/threonine kinase** subfamily, consisting or comprising: (a) a fully defined sequence of 318 amino acids (S2) as given in the specification, or its fragment comprising 10 contiguous amino acids; (b) an amino acid sequence of an allelic variant or ortholog of the amino acid sequence of (S2), where the allelic variant or ortholog is encoded by a nucleic acid molecule that hybridizes under stringent conditions to the opposite strand of a nucleic acid molecule having a fully defined sequence of 957 (S1) (a cDNA molecule) or 105413 (genomic sequence) nucleotides (S3) as given in the specification; or (c) a fragment of an amino acid sequence of (S2), comprising 10 contiguous amino acids. The isolated **human kinase** peptide variant has an amino acid sequence that shares 70% homology with (S2). **INDEPENDENT CLAIMS** are also included for the following: (1) an isolated antibody (II) that selectively binds to (I) comprising the amino acid sequence of (S2), its allelic variant or ortholog, or fragment; (2) an isolated nucleic acid molecule (III) consisting or comprising of a nucleotide sequence that encodes (I) or a nucleotide sequence that is complement of the nucleotide sequence encoding (I), where allelic variant of (III) encoding a **human kinase** peptide shares at least 80% homology with (S1) or (S3); (3) a gene chip comprising (III) that comprises a nucleotide sequence encoding (I), or its complement; (4) a transgenic non-**human** animal comprising (III) that comprises a nucleotide sequence encoding (I), or its complement; (5) a nucleic acid vector (IV) comprising (III) that comprises a nucleotide sequence encoding (I), or its complement; (6) a host cell comprising (IV); (7) preparation of (I); (8) detecting the presence of (I) in a sample involves contacting the sample with a detection agent that specifically allows detection of the presence of the peptide in the sample; (9) detecting the presence of (III) in a sample involves contacting the sample with an oligonucleotide that hybridizes to the nucleic acid molecule under stringent conditions and determining whether an oligonucleotide binds to the nucleic acid molecule in the sample; and (10) a pharmaceutical composition (V) comprising an agent that binds to (I), and identified using (I) (comprising a sequence of (S2), its allelic variant or ortholog or fragment), and a carrier; and (11) a method for identifying a modulator of a **human kinase** peptide, comprising administering the agent to a host cell comprising an expression vector that expresses the peptide, optionally involves contacting a cell expressing the peptide with an agent, and determining if the agent has modulated the expression of the peptide.

**WIDER DISCLOSURE** - The following are disclosed: (1) chimeric or fusion proteins comprising (I); (2) agents identified using screening methods involving (I); (3) non-coding fragments of a nucleic acid molecule having a sequence of (S1) or (S3); (4) kit comprising (II) for detecting (I) comprising an amino acid sequence of (S2), its allelic variant or ortholog or fragment; (5) kits for detecting the presence of nucleic acid encoding **kinase** peptide in a biological sample; (6) analogs or derivatives of (I); and (7) compartmentalized kits comprising necessary reagents for carrying out the above mentioned assays.

**BIOTECHNOLOGY** - Preparation: (I) is prepared by standard recombinant techniques (claimed). Preferred Molecules: The allelic variants of (I) and (III) preferably share 90% homology with (S2), and (S1) or (S3), respectively.

**ACTIVITY** - None given.

**MECHANISM OF ACTION** - Gene therapy; (I) expression or activity modulator. No supporting biological data is given.

**USE** - (I) comprising an amino acid sequence of (S2), its allelic variant or ortholog or fragment, is useful for identifying a modulator of a **human kinase** peptide. (I) comprising an amino acid sequence of (S2), its allelic variant or ortholog or fragment is also useful for identifying an agent that binds to it. (V) is useful for treating a disease or condition mediated by **human**

**kinase** peptide (all claimed). (I) and (III) can be used as models for the development of **human** therapeutic targets, aid in the identification of therapeutic proteins and serve as targets for the development of **human** therapeutic agents that modulate **kinase** activity in cells and tissue that express the **kinase**. (I) and (III) can be used as a query sequence to perform a search against sequence databases to, identify other family members or related sequences. (I) is used to raise antibodies or to elicit another immune response, as a reagent in assays designed to quantitatively determine levels of the protein in biological fluids, and as markers for tissues in which the corresponding protein is preferentially expressed. (II) is useful for isolating (I), purifying (I), and to assess expression of (I) in active stages of a disease, or in an individual with a predisposition towards disease related to the protein's function. The antibodies are also useful for assessing normal and aberrant subcellular localization of cells in various tissues in an organism, in pharmacogenomic analysis, for tissue typing and for inhibiting protein function. (III) is useful as probes, primers, chemical intermediates and in biological assays. The nucleic acid molecules are useful for constructing recombinant vectors, host cells and transgenic animals, and for designing ribozymes. The nucleic acids are also useful in drug screening assays and as a target for treatment by the compounds identified through drug screening. The nucleic acid molecules are also useful for monitoring effectiveness of modulating compounds on the expression or activity of **kinase** gene in clinical trials or in treatment regimen, and for testing an individual for a genotype that while not necessarily causing the disease nevertheless affects the treatment modality. The nucleic acid molecules are also useful in diagnostic assays for qualitative changes in expression of nucleic acid encoding **kinase** and particularly in qualitative changes that lead to pathology. The nucleic acid molecules can be used to detect mutations in genes encoding **kinases** and gene expression products such as mRNA. Detection of mutated form of gene encoding **kinase** associated with a dysfunction provides a diagnostic tool for a active disease or susceptibility to disease which results from overexpression, underexpression or altered expression of **kinase** protein. (III) also provides vectors for gene therapy in patients with aberrant expression of gene encoding **kinase**.

EXAMPLE - None given. (128 pages)

L22 ANSWER 4 OF 11 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN

ACCESSION NUMBER: 2003-01882 BIOTECHDS

TITLE: New peptides related to **serine/threonine** protein **kinase** subfamily, useful for treating disorders associated with abnormal expression of **kinase** in prostate, lungs and brain, in drug screening assays and pharmacogenomic analysis; recombinant protein production and sense and antisense sequence use in gene therapy

AUTHOR: BEASLEY E M; YE J; YAN C; KETCHUM K A; DI FRANCESCO V

PATENT ASSIGNEE: PE CORP NY

PATENT INFO: WO 2002059288 1 Aug 2002

APPLICATION INFO: WO 2002-US930 15 Jan 2002

PRIORITY INFO: US 2001-819607 29 Mar 2001; US 2001-263162 23 Jan 2001

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: WPI: 2002-599781 [64]

AB DERWENT ABSTRACT:

NOVELTY - Isolated peptide (I) comprising: (a) a fully defined sequence of 369 amino acids (P1), given in the specification; (b) an allelic variant or ortholog of (P1) encoded by a nucleic acid molecule that hybridizes under stringent conditions to the opposite strand of the nucleic acid molecule comprising a fully defined sequence of 1864 (S1) or

25603 (S2) bp, given in the specification; or (c) a fragment of (P1) comprising at least 10 contiguous amino acids, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for: (1) an isolated antibody that selectively binds to (I); (2) an isolated nucleic acid molecule (II) comprising a sequence encoding (I), or its complement; (3) a gene chip comprising (II); (4) a transgenic non-human animal comprising (II); (5) a nucleic acid vector comprising (II); (6) a host cell containing the vector; (7) producing (I), comprising: (a) introducing a nucleotide sequence encoding the amino acid sequence of (I) into a host cell; and (b) culturing the host cell under conditions suitable for the expression of the peptide from the nucleotide sequence; (8) detecting the presence of (I) in a sample, comprising contacting the sample with a detection agent that specifically allows detection of the presence of the peptide in the sample then detecting the presence of the peptide; (9) detecting the presence of (II) in a sample, comprising: (a) contacting the sample with an oligonucleotide that hybridizes to (II) under stringent conditions; and (b) determining whether the oligonucleotide binds to (II) in the sample; (10) identifying a modulator of (I) or its expression, comprising contacting (I) or a cell expressing (I) with an agent and determining if the agent modulated the function or activity, or expression of the peptide; (11) identifying an agent that binds to (I), comprising contacting the peptide with an agent and assaying the contacted mixture to determine whether a complex is formed with the agent bound to the peptide; (12) a pharmaceutical composition comprising the agent and a carrier; (13) treating a disease or condition mediated by **human kinase** protein, comprising administering to a patient the agent; (14) an isolated **human kinase** peptide comprising a sequence that is at least 70% identical to a (P1); (15) an isolated nucleic acid molecule encoding a **human kinase** peptide, which is at least 80% identical to (S1) or (S2).

BIOTECHNOLOGY - Preferred Method: Identifying a modulator of (I) comprises administration of the agent to a host cell containing the vector that expresses (I). Preferred Peptide: The **human kinase** peptide is preferably 90% identical to (P1). Preferred Nucleic Acid: The nucleic acid molecule in (15) is preferably 90% identical to (S1) or (S2).

ACTIVITY - Cytostatic. No suitable data given.

MECHANISM OF ACTION - Protein **kinase**; Gene therapy.

USE - (I) are useful in substantial and specific assays related to functional information of the peptide sequences, to raise antibodies or to elicit immune response, as reagents in assays to determine the levels of protein in biological fluids, and as markers for tissues where the corresponding protein is expressed. The peptides and antibodies are useful in drug screening assays, tissue typing and pharmacogenomic analysis. They are also useful in treating disorders associated with the absence of, inappropriate, or unwanted expression of **kinase** protein in prostate, lungs or brain. The nucleic acid molecules are useful for probes, primers and chemical intermediates in biological assays, for constructing recombinant vectors, expressing antigenic portions of the protein. The peptide and nucleic acid sequences are useful as models for the development of **human** therapeutic targets, aid in the identification of therapeutic proteins and serve as targets for the development of **human** therapeutic agents that modulate **kinase** activity in cells and tissues that express the **kinase**. The host cells are useful in producing a **kinase** protein or peptide, and non-**human** transgenic animals.

EXAMPLE - No suitable example given. (86 pages)

L22 ANSWER 5 OF 11 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN  
ACCESSION NUMBER: 2002-12722 BIOTECHDS

TITLE: A **human kinase** protein that is related to  
the **serine/threonine kinase**  
subfamily, useful as models for development of **human**



therapeutic targets and serves as targets for developing human therapeutic agents; antibody, DNA chip, transgenic animal generation, fusion protein, drug screening, DNA probe, DNA primer and ribozyme, useful for gene therapy, diagnosis, pharmacogenomics analysis, clinical trial and expression profiling

AUTHOR: WEBSTER M; LI Z; KETCHUM K A; DI FRANCESCO V;  
BEASLEY E M  
PATENT ASSIGNEE: APPLERA CORP  
PATENT INFO: WO 2002018553 7 Mar 2002  
APPLICATION INFO: WO 2000-US26260 31 Aug 2000  
PRIORITY INFO: US 2001-797908 5 Mar 2001  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: WPI: 2002-304251 [34]

AB DERWENT ABSTRACT:

NOVELTY - An isolated **human kinase** protein (I) that is related to **serine/threonine kinase** subfamily, consisting of or comprising a fully defined 328 (S2) or 135 (S5) amino acid sequence given in the specification, or its fragment comprising 10 contiguous amino acids, or an amino acid sequence of an allelic variant or ortholog of the amino acid sequence of (S2) or (S5), is new.

DETAILED DESCRIPTION - (I) consists or comprises of: an amino acid sequence of (S2) or (S5); an amino acid sequence of an allelic variant or an ortholog of (S2) or (S5), where the allelic variant or ortholog is encoded by a nucleic acid molecule that hybridizes under stringent conditions to the opposite strand of a nucleic acid molecule having a fully defined 990 (S1) or 408 nucleotide (S3) sequence given in the specification; a fragment of an amino acid sequence of (S2) or (S5), comprising 10 contiguous amino acids. The isolated **human kinase** variant has an amino acid sequence that shares 70% homology with (S2) or (S5). INDEPENDENT CLAIMS are also included for the following: (1) an isolated antibody (II) that selectively binds to (I) comprising the amino acid sequence of (S2) or (S5), its allelic variant or ortholog, or fragment; (2) an isolated nucleic acid molecule (III) consisting or comprising of a nucleotide sequence that encodes (I) or a nucleotide sequence that is a complement of the nucleotide sequence encoding (I), where the allelic variant of (III) encoding a **human kinase** peptide shares at least 80% homology with (S1) or (S3); (3) a gene chip comprising (III) that comprises a nucleotide sequence encoding (I), or its complement; (4) a transgenic non-**human** animal comprising (III) that comprises a nucleotide sequence encoding (I), or its complement; (5) a nucleic acid vector (IV) comprising (III) that comprises a nucleotide sequence encoding (I), or its complement; (6) a host cell comprising (IV); (7) preparation of (I); (8) detecting the presence of (I) in a sample involves contacting the sample with a detection agent that specifically allows detection of the presence of the peptide in the sample; (9) detecting the presence of (III) in a sample involves contacting the sample with an oligonucleotide that hybridizes to the nucleic acid molecule under stringent conditions and determining whether an oligonucleotide binds to the nucleic acid molecule in the sample; and (10) a pharmaceutical composition (V) comprising an agent that binds to (I), and was identified using (I) (comprising a sequence of (S2) or (S5), its allelic variant or ortholog or fragment), and a carrier.

WIDER DISCLOSURE - Disclosed are: (a) chimeric or fusion proteins comprising (I); (b) agents identified using screening methods involving (I); (c) non-coding fragments of a nucleic acid molecule having a sequence of (S1) or (S3); (d) a kit comprising (II) for detecting (I) comprising an amino acid sequence of (S2) or (S5), its allelic variant or ortholog or fragment; (e) kits for detecting the presence of **kinase** nucleic acid in a biological sample; (f) analogs or

derivatives of (I); and (g) compartmentalized kits comprising necessary reagents for carrying out the above mentioned assays.

BIOTECHNOLOGY - Preparation: (I) is prepared by standard recombinant techniques (claimed). Preferred Molecules: The allelic variants of (I) and (III) preferably share 90% homology with (S2) or (S5), and (S1) or (S3), respectively.

ACTIVITY - None given.

MECHANISM OF ACTION - Gene therapy; (I) expression or activity modulator. No suitable data given.

USE - (I) comprising an amino acid sequence of (S2) or (S5), its allelic variant or ortholog or fragment, is useful for identifying a modulator of a **human kinase** protein; preferably, the agent is administered to a host cell comprising an expression vector that expresses the peptide. The method optionally involves contacting a cell expressing the peptide with an agent and determining if the agent has modulated the expression of the peptide. (I) comprising an amino acid sequence of (S2) or (S5), its allelic variant or ortholog or fragment is also useful for identifying an agent that binds to it. (V) is useful for treating a disease or condition mediated by **human kinase** protein (all claimed). (I) and (III) can be used as models for the development of **human** therapeutic targets, aid in the identification of therapeutic proteins and serve as targets for the development of **human** therapeutic agents that modulate **kinase** activity in cells and tissue that express the **kinase**. (I) and (III) can be used as a query sequence to perform a search against sequence databases to, identify other family members or related sequences. (I) is used to raise antibodies or to elicit another immune response, as a reagent in assays designed to quantitatively determine levels of the protein in biological fluids, and as markers for tissues in which the corresponding protein is preferentially expressed. The **kinases** isolated from **humans** and their **human/mammalian** orthologs serve as targets for identifying agents for use in mammalian therapeutic applications, and biological assays related to **kinases** that are related to members of the **serine/threonine kinase** subfamily. The proteins can also be used in screening assays to screen a compound for its ability to stimulate or inhibit interaction between **kinase** protein and a molecule that normally interacts with the **kinase** protein. The proteins also provide a target for diagnosing a disease or predisposition to disease mediated by the peptide, and in pharmacogenomic analysis. The peptides are also useful for treating a disorder characterized by absence of, inappropriate or unwanted expression of the protein. (II) is useful for isolating (I), purifying (I), and to assess expression of (I) in active stages of a disease, or in an individual with a predisposition towards disease related to the protein's function. The antibodies are also useful for assessing normal and aberrant subcellular localization of cells in various tissues in an organism, in pharmacogenomic analysis, for tissue typing and for inhibiting protein function. (III) is useful as probes, primers, chemical intermediates and in biological assays. The nucleic acid molecules are useful for constructing recombinant vectors, host cells and transgenic animals, and for designing ribozymes. The nucleic acids are also useful in drug screening assays and as a target for treatment by the compounds identified through drug screening. The nucleic acid molecules are also useful for monitoring effectiveness of modulating compounds on the expression or activity of the **kinase** gene in clinical trials or in a treatment regimen, and for testing an individual for a genotype that while not necessarily causing the disease nevertheless affects the treatment modality. The nucleic acid molecules are also useful in diagnostic assays for qualitative changes in **kinase** nucleic acid expression and particularly in qualitative changes that lead to pathology. The nucleic acid molecules can be used to detect mutations in **kinase** genes and gene expression products such as mRNA. Detection of a mutated form of the **kinase** gene associated with a

dysfunction provides a diagnostic tool for active disease or susceptibility to disease which results from overexpression, underexpression or altered expression of the **kinase** protein. (III) also provides vectors for gene therapy in patients with aberrant **kinase** gene expression.

ADMINISTRATION - No details given.

EXAMPLE - None given. (65 pages)

L22 ANSWER 6 OF 11 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN

ACCESSION NUMBER: 2002-19955 BIOTECHDS

TITLE: An isolated LIM domain **kinase** polypeptide useful as a model for developing **human** therapeutic targets, to aid in identification of therapeutics and to serve as targets for developing **kinase** activity modulators in cells;  
recombinant enzyme protein production for use in disease therapy and diagnosis

AUTHOR: YAN C; KETCHUM K A; DI FRANCESCO V; BEASLEY E M

PATENT ASSIGNEE: PE CORP NY

PATENT INFO: US 6403353 11 Jun 2002

APPLICATION INFO: US 2001-978197 22 Mar 2001

PRIORITY INFO: US 2001-978197 17 Oct 2001

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: WPI: 2002-536038 [57]

AB DERWENT ABSTRACT:

NOVELTY - An isolated LIM domain **kinase** (LIMK) polypeptide (I) having a fully defined sequence of 255 amino acids as given in specification, is new.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a composition comprising (I) and a carrier.

BIOTECHNOLOGY - Preparation: (I) is prepared by standard recombinant techniques.

ACTIVITY - None given.

MECHANISM OF ACTION - None given.

USE - (I) can be used as a model for the development of **human** therapeutic targets, aid in the identification of therapeutic proteins and serve as targets for the development of **human** therapeutic agents that modulate **kinase** activity in cells and tissue that express the **kinase**. (I) can be used as a query sequence to perform a search against sequence databases to, identify other family members or related sequences. (I) is used to raise antibodies or to elicit another immune response, as a reagent in assays designed to quantitatively determine levels of the protein in biological fluids, and as markers for tissues in which the corresponding protein is preferentially expressed. The **kinase** proteins isolated from **humans** and their **human**/mammalian orthologs serve as targets for identifying agents for use in mammalian therapeutic applications, and biological assays related to **kinase** proteins that are related to members of the **serine/threonine** subfamily. The proteins can also be used in screening assays to screen a compound for its ability to stimulate or inhibit interaction between **kinase** protein and a molecule that normally interacts with the **kinase** protein. The proteins also provide a target for diagnosing a disease or predisposition to disease mediated by the peptide, and in pharmacogenomic analysis. The peptides are also useful for treating a disorder characterized by absence of, inappropriate or unwanted expression of the protein. The proteins are useful in drug screening assays; end point assays to identify compounds that modulate **kinase** activity; in competition binding assays in methods designed to discover compounds that interact with the **kinase**; as a target for diagnosing active protein activity, disease or predisposition to disease in a patient with the variant peptide, particularly activities and conditions that are known for other members

of the **serine/threonine kinase** subfamily proteins.

ADMINISTRATION - No details given.

EXAMPLE - No preparative example given. (82 pages)

L22 ANSWER 7 OF 11 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN

ACCESSION NUMBER: 2002-17807 BIOTECHDS

TITLE: Nucleic acid molecules encoding calcium/calmodulin-dependent protein **kinases**, useful for preventing diagnosing and treating e.g. cancers, psoriasis and inflammation; recombinant protein production by vector-mediated gene transfer and expression in host cell, useful for gene therapy

AUTHOR: YE J; **YAN C**; DI FRANCESCO V; BEASLEY E M

PATENT ASSIGNEE: PE CORP NY

PATENT INFO: US 6387677 14 May 2002

APPLICATION INFO: US 2001-800960 8 Mar 2001

PRIORITY INFO: US 2001-800960 8 Mar 2001

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: WPI: 2002-478444 [51]

AB DERWENT ABSTRACT:

NOVELTY - An isolated nucleic acid molecule (I) encoding a calcium/calmodulin-dependent protein **kinase**, is new.

DETAILED DESCRIPTION - An isolated nucleic acid molecule (I) encoding a calcium/calmodulin-dependent protein **kinase**, comprising a nucleotide sequence selected from: (a) a nucleotide sequence that encodes a protein comprising a fully defined 565 amino acid sequence (A1) given in the specification; (b) a nucleotide sequence comprising the fully defined 2061 nucleotide sequence (N1) given in the specification ((N1) is a complementary deoxyribonucleic acid (cDNA) encoding the **kinase**); and/or (c) a nucleotide sequence comprising the defined 62804 nucleotide sequence (N2) given in the specification ((N2) is a genomic sequence that spans the gene encoding the **kinase** protein). INDEPENDENT CLAIMS are also included for: (1) a nucleic acid vector (II) comprising (I); (2) a host cell (III) containing the vector (II); (3) producing (IV) a polypeptide comprising (A1), comprising culturing the host cell (III) under conditions sufficient for the production of said polypeptide, and recovering said polypeptide from the host cell culture; and (4) an isolated nucleic acid molecule (I') comprising a nucleotide sequence that is completely complementary to (I).

BIOTECHNOLOGY - Preferred Vectors: The vector (II) is a plasmid, virus or bacteriophage. (I) is inserted into the vector in proper orientation and correct reading frame so that the protein of (A1) may be expressed by a cell transformed with the vector. The isolated nucleic acid molecule may be operatively linked to a promoter sequence. Preparation: (I) and the protein it encodes may be produced via standard recombinant and synthetic methodologies e.g. by culturing (IV) the cell (III) (claimed).

ACTIVITY - Cytostatic; Anti-inflammatory; Anti-arteriosclerotic; Anti-psoriatic. No biological data given.

MECHANISM OF ACTION - Gene therapy; Protein therapy; Vaccine; Enzymatic (calcium/calmodulin-dependent protein **kinase**). The gene (I) and encoded protein are related to the family of calcium/calmodulin-dependent protein **kinases**, which are **serine/threonine kinases**. The protein shows a particularly high degree of similarity to calcium/calmodulin-dependent protein **kinase** II (CaM II). CaM II is comprised of alpha, beta, gamma, and delta subunits. Each subunit is encoded by a separate gene and alternatively splice forms of each subunit have been found (Breen et al., Biochem. Biophys. Res. Commun. 236 (2), 473-478 (1997)). CaM II exerts important effects on hormones and neurotransmitters that utilize calcium as a second messenger. Beta-cell CaM II activity is associated with insulin secretion, and multiple isoforms of CaM II are expressed in

**human** islets of Langerhans (Breen et al., Biochem. Biophys. Res. Commun. 236 (2), 473-478 (1997)). It has been suggested that CaM II controls activation-induced cellular differentiation, and is important for imparting antigen-dependent memory to T cells (Bui et al., Cell 100: 457-467, 2000).

USE - These polynucleotide sequences (I) and the peptides they encode can be used as models for the development of **human** therapeutic targets, aid in the identification of therapeutic proteins, and serve as targets for the development of **human** therapeutic agents that modulate **kinase** activity in cells and tissues that express the **kinase**. The calcium/calmodulin-dependent protein **kinase** encoded by (I) is expressed in **humans** in the placenta, breast cancers (including mammary adenocarcinoma), skin melanotic melanomas, ovary adenocarcinomas, uterus leiomyosarcomas, Burkitt's lymphomas (lymph), duodenal adenocarcinomas (small intestine), and fetal brain tumors and in disease conditions including inflammation, arteriosclerosis, and psoriasis (claimed).

ADMINISTRATION - Standard methodologies.

ADVANTAGE - **Kinase** proteins, particularly members of the calcium/calmodulin-dependent protein **kinase** subfamily, are a major target for drug action and development. Accordingly, it is valuable to the field of pharmaceutical development to identify and characterize previously unknown members of this subfamily of **kinase** proteins. (I) Encodes a previously unidentified **human kinase** protein that has homology to members of the calcium/calmodulin-dependent protein **kinase** subfamily.

EXAMPLE - No suitable example given. (85 pages)

L22 ANSWER 8 OF 11 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:941845 HCAPLUS

DOCUMENT NUMBER: 138:21334

TITLE: Protein, gene and cDNA sequences of a novel **human protein kinase** related to **serine/threonine kinase** and their uses in drug screening

INVENTOR(S): Yan, Chunhua; Li, Zhenya; Neelam, Beena; **Difrancesco, Valentina**; Beasley, Ellen M.

PATENT ASSIGNEE(S): PE Corporation (Ny), USA

SOURCE: U.S., 107 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6492156	B1	20021210	US 2001-984890	20011031
US 2003232408	A1	20031218	US 2002-274194	20021021
US 6706511	B2	20040316		
WO 2003038115	A2	20030508	WO 2002-US34869	20021031
WO 2003038115	A3	20040122		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1451310	A2	20040901	EP 2002-793863	20021031
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK  
 US 2004137499 A1 20040715 US 2004-760407 20040121  
 PRIORITY APPLN. INFO.: US 2001-984890 A3 20011031  
 US 2002-274194 A3 20021021  
 WO 2002-US34869 W 20021031

AB The invention provides protein, cDNA and genomic sequences for a novel human protein kinase related to **serine/threonine kinase**. Specifically, a virtual northern blot shows **serine/threonine kinase** gene expression in brain (neuroblastoma), lung (small cell carcinoma), muscle (rhabdomyosarcoma), lymph (Burkitt lymphoma), ovary tumor, placenta (normal and choriocarcinoma), colon (normal, adenocarcinoma, and colon tumor), kidney (renal cell adenocarcinoma), breast, cervix (carcinoma), uterus tumor, pancreas (pancreatic islet), a pooled colon/kidney/stomach sample, and a pooled pancreas/spleen sample. Twenty eight single nucleotide polymorphism has been found on **serine/threonine kinase** gene that has been mapped to chromosome 11. The invention also relates to screening modulator of **serine/threonine kinase** and their uses in therapy. The invention further relates to methods, vector and hosts for expression of **serine/threonine kinase**.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 9 OF 11 MEDLINE on STN DUPLICATE 1  
 ACCESSION NUMBER: 2001512910 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 11560856  
 TITLE: p160 Bcr mediates platelet-derived growth factor activation of extracellular signal-regulated **kinase** in vascular smooth muscle cells.  
 AUTHOR: Che W; Abe J; Yoshizumi M; Huang Q; Glassman M; Ohta S; Melaragno M G; Poppa V; **Yan C**; Lerner-Marmarosh N; Zhang C; Wu Y; Arlinghaus R; Berk B C  
 CORPORATE SOURCE: Center for Cardiovascular Research, University of Rochester, Rochester, NY, USA.  
 CONTRACT NUMBER: HL-44721 (NHLBI)  
 HL-49192 (NHLBI)  
 HL-61319 (NHLBI)  
 SOURCE: Circulation, (2001 Sep 18) 104 (12) 1399-406.  
 Journal code: 0147763. ISSN: 1524-4539.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
 ENTRY MONTH: 200110  
 ENTRY DATE: Entered STN: 20010919  
 Last Updated on STN: 20011008  
 Entered Medline: 20011004

AB BACKGROUND: The **human** Bcr gene was originally identified by its presence in the chimeric Bcr/Abl oncogene, which is causative for chronic myeloblastic leukemia. Because Bcr encodes a **serine/threonine** protein **kinase**, we studied its **kinase** activity and determined the role of Bcr in the PDGF signaling pathway to ERK1/2 activation and DNA synthesis in rat aortic smooth muscle cells (RASCs). METHODS AND RESULTS: In RASCs, platelet-derived growth factor-BB (PDGF) stimulated Bcr **kinase** activity, with a maximum at 1 minute. Because phosphatidylinositol 3'-**kinase** (PI3-K) is essential for Bcr/Abl leukemogenesis, we evaluated the role of mouse PDGF-beta-receptor binding sites for PI3-K (Y708, Y719) and for phospholipase C-gamma (Y977, Y989) in PDGF-mediated Bcr **kinase** activation. The mutant PDGF receptor Y708F/Y719F but not Y977F/Y989F showed significantly reduced Bcr **kinase** activity. To determine the role of Bcr in PDGF-mediated signal transduction events leading to ERK1/2 and its downstream Elk1 transcription activation, wild-type (WT)

and **kinase**-negative (KN) Bcr were transiently expressed in RASMCs. Bcr WT enhanced, whereas Bcr KN inhibited, PDGF-stimulated ERK1/2 and Elk1 transcriptional activity. Overexpression of Bcr also enhanced PDGF-induced Ras/Raf-1 activity and DNA synthesis, but this regulation is independent of the **kinase** activity of Bcr. Finally, we found that Bcr expression was increased in the neointimal layer after balloon injury of rat carotid artery. CONCLUSIONS: These results demonstrated the importance of Bcr in PDGF-mediated events, such as activation of Ras, Raf-1, ERK1/2, and Elk1, and stimulation of DNA synthesis.

L22 ANSWER 10 OF 11 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 2001:761120 SCISEARCH

THE GENUINE ARTICLE: 474XB

TITLE: p160 Bcr mediates platelet-derived growth factor  
activation of extracellular signal-regulated  
**kinase** in vascular smooth muscle cells

AUTHOR: Che W; Abe J (Reprint); Yoshizumi M; Huang Q H; Glassman  
M; Ohta S; Melaragno M G; Poppa V; **Yan C**;  
Lerner-Marmarosh N; Zhang C X; Wu Y; Arlinghaus R; Berk B  
C

CORPORATE SOURCE: Univ Rochester, Ctr Cardiovasc Res, Box 679, 601 Elmwood  
Ave, Rochester, NY 14642 USA (Reprint); Univ Rochester,  
Ctr Cardiovasc Res, Rochester, NY 14642 USA; Univ Texas,  
MD Anderson Canc Ctr, Dept Mol Pathol, Houston, TX 77030  
USA; Merck & Co Inc, Rochester, NY USA; Univ Washington,  
Dept Pathol, Seattle, WA 98195 USA

COUNTRY OF AUTHOR: USA

SOURCE: CIRCULATION, (18 SEP 2001) Vol. 104, No. 12, pp. 1399-1406

Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST,  
PHILADELPHIA, PA 19106-3621 USA.  
ISSN: 0009-7322.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 33

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

AB Background-The **human** Bcr gene was originally identified by  
its presence in the chimeric Bcr/Abl oncogene, which is causative for  
chronic myeloblastic leukemia. Because Bcr encodes a **serine/**  
**threonine** protein **kinase**, we studied its **kinase**  
activity and determined the role of Bcr in the PDGF signaling pathway to  
ERK1/2 activation and DNA synthesis in rat aortic smooth muscle cells  
(RASMCs).

Methods and Results-In RASMCs, platelet-derived growth factor-BB (PDGF)  
stimulated Bcr **kinase** activity, with a maximum at 1 minute.  
Because phosphatidylinositol 3'-**kinase** (P13-K) is essential  
for Bcr/Abl leukemogenesis, we evaluated the role of mouse PDGF-beta  
-receptor binding sites for P13-K (Y708, Y719) and for phospholipase  
C-gamma (Y977, Y989) in PDGF-mediated Bcr **kinase** activation. The  
mutant PDGF receptor Y708F/Y719F but not Y977F/Y989F showed significantly  
reduced Bcr **kinase** activity. To determine the role of Bcr in  
PDGF-mediated signal transduction events leading to ERK1/2 and its  
downstream Elk1 transcription activation, wild-type (WT) and  
**kinase**-negative (KN) Bcr were transiently expressed in RASMCs. Bcr  
WT enhanced, whereas Bcr KN inhibited, PDGF-stimulated ERK1/2 and Elk1  
transcriptional activity. Overexpression of Bcr also enhanced PDGF-induced  
Ras/Raf-1 activity and DNA synthesis, but this regulation is independent  
of the **kinase** activity of Bcr. Finally, we found that Bcr  
expression was increased in the neointimal layer after balloon injury of  
rat carotid artery.

Conclusions-These results demonstrated the importance of Bcr in  
PDGF-mediated events, such as activation of Ras, Raf-1, ERK1/2, and Elk1,  
and stimulation of DNA synthesis.

L22 ANSWER 11 OF 11 MEDLINE on STN  
 ACCESSION NUMBER: 97362213 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 9211870  
 TITLE: Protein **kinase** A activation of the surfactant  
 protein B gene is mediated by phosphorylation of thyroid  
 transcription factor 1.  
 AUTHOR: Yan C; Whitsett J A  
 CORPORATE SOURCE: Children's Hospital Medical Center, Divisions of  
 Neonatology and Pulmonary Biology, The Children's Hospital  
 Research Foundations, Cincinnati, Ohio 45229-3039, USA.  
 CONTRACT NUMBER: HL38859 (NHLBI)  
 HL51832 (NHLBI)  
 SOURCE: Journal of biological chemistry, (1997 Jul 11) 272 (28)  
 17327-32.  
 Journal code: 2985121R. ISSN: 0021-9258.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199708  
 ENTRY DATE: Entered STN: 19970825  
 Last Updated on STN: 19970825  
 Entered Medline: 19970814

AB Thyroid transcription factor 1 (TTF-1) is a homeodomain-containing nuclear  
 transcription factor expressed in epithelial cells of the lung and  
 thyroid. TTF-1 binds to and activates the transcription of genes  
 expressed selectively in the respiratory epithelium including pulmonary  
 surfactant A, B, C and Clara cell secretory protein. Transfection with a  
 plasmid encoding the cyclic AMP-dependent protein **kinase**  
 (protein **kinase** A; PKA) catalytic subunit, Cat-beta, stimulated  
 the phosphorylation of a TTF-1-flag fusion protein 6-7-fold in H441  
 pulmonary adenocarcinoma cells. Recombinant TTF-1 was phosphorylated by  
 purified PKA catalytic subunit in the presence of [gamma-32P]ATP. PKA  
 catalytic subunit family members, Cat-alpha and Cat-beta, markedly  
 enhanced the transcriptional activation of surfactant B gene promoters by  
 TTF-1 in vitro. Peptide mapping was used to identify a PKA  
 phosphorylation site at the NH2 terminus of TTF-1. A 17-amino acid  
 synthetic peptide comprising this site completely inhibited the  
 PKA-dependent phosphorylation of TTF-1 in vitro. A substitution mutation  
 of TTF-1 (Thr9 to Ala) abolished phosphorylation by PKA  
 and reduced transactivation of the surfactant B gene promoter.  
 Transfection with a plasmid encoding the cAMP regulatory element binding  
 factor inhibited transcriptional activity of the surfactant protein B gene  
 promoter. Phosphorylation of TTF-1 mediates PKA-dependent activation of  
 surfactant protein B gene transcription.

=> d his

(FILE 'HOME' ENTERED AT 11:15:10 ON 03 DEC 2004)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,  
 LIFESCI' ENTERED AT 11:15:34 ON 03 DEC 2004

L1 1259834 S KINASE?  
 L2 418869 S SERINE OR THREONINE  
 L3 100978 S L1 AND L2  
 L4 41255 S HUMAN AND L3  
 L5 6819123 S CLON? OR EXPRESS? OR RECOMBINANT  
 L6 24103 S L4 AND L5  
 L7 260007 S (LUNG(A) CARCINOMA) OR PLACENTA  
 L8 455 S L6 AND L7  
 L9 41255 S HUMAN (A) L3  
 L10 455 S L8 AND L9



L11 12930 S "CHROMOSOME 13"  
L12 2 S L10 AND L11  
L13 2 DUP REM L12 (0 DUPLICATES REMOVED)  
L14 24103 S L6 AND L9  
L15 241 DUP REM L8 (214 DUPLICATES REMOVED)  
E WEBSTER M/AU  
L16 831 S E3  
E YAN C/AU  
L17 1071 S E3  
E DIFRANCESCO V/AU  
L18 116 S E3-E4  
E BEASLEY E/AU  
L19 29 S E3  
L20 2020 S L16 OR L17 OR L18 OR L19  
L21 12 S L4 AND L20  
L22 11 DUP REM L21 (1 DUPLICATE REMOVED)

	L #	Hits	Search Text
1	L1	53960	kinase\$2
2	L2	68333 7	clon\$3 or express\$3 or recombinant
3	L3	44964 9	human
4	L4	55743	serine or threonine
5	L5	7469	l1 same l4
6	L6	2064	l3 same l5
7	L7	1076	l2 same l6
8	L8	7336	lung adj carcinoma
9	L9	13753	placenta
10	L10	19216	l8 or l9
11	L11	79	l7 same l10
12	L12	43922	YAN DIFRANCESCO BEASLEY WEBSTER
13	L13	147	l7 and l12
14	L14	3363	l1 and l12
15	L15	18	l11 and l12

	Issue Date	Pages	Document ID	Title
1	20041202	75	US 20040241796 A1	Regulation of human nek-like serine/threonine protein kinase
2	20041202	678	US 20040241653 A1	Methods for identifying marker genes for cancer
3	20041014	43	US 20040203127 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
4	20040909	69	US 20040175743 A1	Methods for monitoring drug activities in vivo
5	20040722	89	US 20040142366 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
6	20040715	67	US 20040137593 A1	Regulation of human serine/threonine protein kinase-like protein
7	20040715	111	US 20040137499 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
8	20040701	320	US 20040126861 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
9	20040610	94	US 20040110221 A1	Methods for diagnosing RCC and other solid tumors
10	20040527	56	US 20040101857 A1	Modulation of cytokine-inducible kinase expression
11	20040527	35	US 20040101529 A1	REGULATION OF HUMAN SERINE-THREONINE PROTEIN KINASE

	Issue Date	Pages	Document ID	Title
12	20040520	61	US 20040097409 A1	Compositions and methods for inhibiting human immunodeficiency virus infection by down-regulating human cellular genes
13	20040422	32	US 20040077020 A1	Diagnostic microarray for inflammatory bowel disease, crohn's disease and ulcerative colitis
14	20040422	253	US 20040076955 A1	Methods of diagnosis of bladder cancer, compositions and methods of screening for modulators of bladder cancer
15	20040304	66	US 20040043375 A1	Regulation of human serine-threonine protein kinase
16	20040226	259	US 20040038207 A1	Gene expression in bladder tumors
17	20040219	324	US 20040033495 A1	Methods of diagnosis of angiogenesis, compositions and methods of screening for angiogenesis modulators
18	20040212	570	US 20040029114 A1	Methods of diagnosis of breast cancer, compositions and methods of screening for modulators of breast cancer
19	20040205	71	US 20040023231 A1	System for identifying and analyzing expression of are-containing genes
20	20040129	169	US 20040018527 A1	Differential patterns of gene expression that predict for docetaxel chemosensitivity and chemo resistance
21	20040122	146	US 20040014040 A1	Cardiotoxin molecular toxicology modeling

	Issue Date	Pages	Document ID	Title
22	20040115	73	US 20040010136 A1	Composition for the detection of signaling pathway gene expression
23	20040108	345	US 20040005563 A1	Methods of diagnosis of ovarian cancer, compositions and methods of screening for modulators of ovarian cancer
24	20040108	165	US 20040005560 A1	Novel full-length cDNA
25	20031225	222	US 20030235820 A1	Novel methods of diagnosis of metastatic colorectal cancer, compositions and methods of screening for modulators of metastatic colorectal cancer
26	20031218	111	US 20030232408 A1	ISOLATED HUMAN KINASE PROTEINS
27	20031218	168	US 20030232391 A1	Identification of kinase inhibitors
28	20031211	206	US 20030228570 A1	Methods of diagnosis of Hepatitis C infection, compositions and methods of screening for modulators of Hepatitis C infection
29	20031127	176	US 20030219875 A1	Albumin fusion proteins
30	20031113	136	US 20030211093 A1	Human kinases
31	20030904	60	US 20030165809 A1	MARKs as modifiers of the p53 pathway and methods of use
32	20030821	41	US 20030157679 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof

	Issue Date	Pages	Document ID	Title
33	20030814	278	US 20030154032 A1	Methods and compositions for diagnosing and treating rheumatoid arthritis
34	20030814	159	US 20030152926 A1	Novel methods of diagnosis of angiogenesis, compositions and methods of screening for angiogenesis modulators
35	20030807	64	US 20030149997 A1	Diagnostics and therapeutics for arterial wall disruptive disorders
36	20030807	86	US 20030148298 A1	Methods for diagnosing and treating systemic lupus erythematosus disease and compositions thereof
37	20030724	34	US 20030138793 A1	Molecular signatures of commonly fatal carcinomas
38	20030703	64	US 20030124579 A1	Methods of diagnosis of ovarian cancer, compositions and methods of screening for modulators of ovarian cancer
39	20030612	32	US 20030108890 A1	In silico screening for phenotype-associated expressed sequences
40	20030327	54	US 20030059918 A1	Regulation of human serine/threonine protein kinase
41	20030227	48	US 20030039658 A1	MCEF, a novel transcription factor
42	20030130	89	US 20030022341 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof

43	20030130	41	US 20030022232 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
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	Issue Date	Pages	Document ID	Title
44	20030123	139	US 20030017167 A1	Compositions and methods for the therapy and diagnosis of colon cancer
45	20021031	231	US 20020160382 A1	Genes expressed in colon cancer
46	20021017	298	US 20020151681 A1	Nucleic acids, proteins and antibodies
47	20020905	60	US 20020123139 A1	Antibodies which bind specifically to activin receptor like kinases
48	20020627	320	US 20020082189 A1	ISOLATED HUMAN SERINE/THREONINE KINASE NUCLEIC ACID MOLECULES ENCODING HUMAN SERINE/THREONINE KINASE AND USES THEREOF
49	20020404	135	US 20020040127 A1	Compositions and methods for the therapy and diagnosis of colon cancer
50	20011122	16	US 20010044104 A1	Genes defferentially expressed in secretory versus proliferative endometrium
51	20040622	65	US 6753314 B1	Protein-protein complexes and methods of using same
52	20040316	106	US 6706511 B2	Isolated human kinase proteins
53	20040316	85	US 6706510 B2	Isolated human kinase proteins
54	20040217	56	US 6692925 B1	Proteins having serine/threonine kinase domains, corresponding nucleic acid molecules, and their use
55	20040217	20	US 6692744 B2	Betaglycan as an inhibin receptor and uses thereof
56	20031223	41	US 6667168 B1	PAK4, a novel gene encoding a serine/threonine kinase



	Issue Date	Pages	Document ID	Title
57	20030902	62	US 6613506 B1	Compositions and methods for inhibiting human immunodeficiency virus infection by down-regulating human cellular genes
58	20030819	50	US 6607879 B1	Compositions for the detection of blood cell and immunological response gene expression
59	20030408	25	US 6544741 B1	Sequence specific and sequence non-specific methods and materials for cDNA normalization and subtraction
60	20021231	65	US 6500938 B1	Composition for the detection of signaling pathway gene expression
61	20021231	86	US 6500656 B1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
62	20021210	107	US 6492156 B1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
63	20021203	63	US 6489136 B1	Cell proliferation related genes
64	20021119	46	US 6482935 B1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
65	20020730	35	US 6426221 B1	Antisense modulation of RIP2 expression
66	20020101	227	US 6335170 B1	Gene expression in bladder tumors
67	20020101	38	US 6335169 B1	Nucleic acids encoding hBub1, a cell cycle checkpoint gene

	Issue Date	Pages	Document ID	Title
68	20011218	56	US 6331621 B1	Isolated nucleic acid molecules which encode activin-receptor like kinases, expression vectors and cells containing these
69	20011218	87	US 6331396 B1	Arrays for identifying agents which mimic or inhibit the activity of interferons
70	20011113	56	US 6316217 B1	Activin receptor-like kinases, proteins having serine threonine kinase domains and polynucleotides encoding same
71	20010807	60	US 6271365 B1	Activin like receptor-- Isolated kinase proteins ALK-2, ALK-4, ALK-5, and nucleic acid molecules encoding them
72	20010327	57	US 6207814 B1	Activin receptor-like kinases, ALK-3 and ALK-6, and nucleic acids encoding them
73	20010109	32	US 6171798 B1	P53-regulated genes
74	20000725	29	US 6093560 A	Nucleic acid molecule encoding Ste20 oxidant stress response kinase-1 (SOK-1) polypeptide
75	20000201	33	US 6020135 A	P53-regulated genes
76	19981229	31	US 5854223 A	S-DC28 as an antirestenosis agent after balloon injury
77	19981103	26	US 5830699 A	SOK-1 and methods of use
78	19981006	30	US 5817479 A	Human kinase homologs
79	19970708	30	US 5645988 A	Methods of identifying drugs with selective effects against cancer cells

	Issue Date	Pages	Document ID	Title
1	20041202	75	US 20040242883 A1	Thieno[3,2-b]pyridine-6-carbonitriles and thieno[2,3-b]pyridine-5-carbonitriles as protein kinase inhibitors
2	20041111	54	US 20040225117 A1	Isolated human ras-like proteins, nucleic acid molecules encoding these human ras-like proteins, and uses thereof
3	20041111	253	US 20040224323 A1	PAK5 screening methods
4	20041014	43	US 20040203127 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
5	20041014	43	US 20040203009 A1	Isolated human ras-like proteins, nucleic acid molecules encoding these human ras-like proteins, and uses thereof
6	20040916	41	US 20040180402 A1	Isolated human ras-like proteins, nucleic acid molecules encoding these human ras-like proteins, and uses thereof
7	20040909	181	US 20040176602 A1	3-Cyanoquinolines, 3-cyano-1,6-naphthyridines, and 3-cyano-1,7-naphthyridines as protein kinase inhibitors
8	20040909	85	US 20040175751 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
9	20040902	106	US 20040170969 A1	GRF2 binding proteins and applications thereof

	Issue Date	Pages	Document ID	Title
10	20040805	53	US 20040152123 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
11	20040729	33	US 20040146978 A1	Isolated human Ras-like proteins, nucleic acid molecules encoding human Ras-like proteins, and uses thereof
12	20040729	115	US 20040146970 A1	Proteins associated with cell growth, differentiation, and death
13	20040729	41	US 20040146463 A1	Functional MRI agents for cancer imaging
14	20040722	89	US 20040142366 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
15	20040722	51	US 20040142352 A1	Isolated human Ras-like proteins, nucleic acid molecules encoding these human Ras-like proteins, and uses thereof
16	20040715	76	US 20040138251 A1	Thieno[3,2-b]pyridine-6-carbonitriles and thieno[2,3-b]pyridine-5-carbonitriles as protein kinase inhibitors
17	20040715	111	US 20040137499 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
18	20040708	140	US 20040132043 A1	Proteins Associated with cell growth, differentiation, and death

	Issue Date	Pages	Document ID	Title
19	20040701	130	US 20040127406 A1	Methods for in vitro expansion and transdifferentiation of human pancreatic acinar cells into insulin-producing cells
20	20040701	320	US 20040126861 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
21	20040610	216	US 20040110741 A1	Substituted pyrazolyl compounds for the treatment of inflammation
22	20040610	22	US 20040110177 A1	Method for identifying functional nucleic acids
23	20040527	85	US 20040101885 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
24	20040513	207	US 20040091993 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
25	20040429	66	US 20040082772 A1	Isolated human Ras-like proteins, nucleic acid molecules encoding these human Ras-like proteins, and uses thereof
26	20040408	53	US 20040067568 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
27	20040318	209	US 20040053317 A1	Gene segregation and biological sample classification methods
28	20040304	184	US 20040043466 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof

	Issue Date	Pages	Document ID	Title
29	20040226	9	US 20040038882 A1	Sgk2 and sgk3 used as diagnostic and therapeutic targets
30	20040226	152	US 20040038881 A1	Human kinases
31	20040219	324	US 20040033495 A1	Methods of diagnosis of angiogenesis, compositions and methods of screening for angiogenesis modulators
32	20040129	234	US 20040018525 A1	Methods and compositions for the prediction, diagnosis, prognosis, prevention and treatment of malignant neoplasma
33	20040129	112	US 20040018185 A1	Human kinases
34	20040115	49	US 20040009502 A1	Identification and tissue distribution of two novel spliced variants of the mouse LATS2 gene
35	20040108	94	US 20040005644 A1	Method and composition for detection and treatment of breast cancer
36	20040108	35	US 20040005590 A1	Isolated human RAS-like proteins, nucleic acid molecules encoding these human RAS-like proteins, and uses thereof
37	20031218	111	US 20030232408 A1	ISOLATED HUMAN KINASE PROTEINS
38	20031211	122	US 20030228595 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof

	Issue Date	Pages	Document ID	Title
39	20031204	58	US 20030224500 A1	Modified MEK1 and MEK2, crystal of a peptide: ligand: cofactor complex containing such modified MEK1 or MEK2, and methods of use thereof
40	20031127	113	US 20030219862 A1	Novel compounds
41	20031113	136	US 20030211093 A1	Human kinases
42	20031106	128	US 20030207311 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
43	20031106	148	US 20030207299 A1	Human kinases
44	20031023	139	US 20030198975 A1	Proteins associated with cell growth, differentiation, and death
45	20031016	85	US 20030195256 A1	Inhibitors of nitric oxide synthase
46	20030925	8	US 20030181351 A1	Spatial learning and memory
47	20030911	14	US 20030171429 A1	Anti-inflammatory and psoriasis treatment and protein kinase inhibition by hydroxylstilbenes and novel stilbene derivatives and analogues
48	20030904	85	US 20030166215 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof

	Issue Date	Pages	Document ID	Title
49	20030904	64	US 20030166203 A1	ISOLATED HUMAN RAS-LIKE PROTEINS, NUCLEIC ACID MOLECULES ENCODING THESE HUMAN RAS-LIKE PROTEINS, AND USES THEREOF
50	20030904	17	US 20030166025 A1	Antiproliferative Sgk reagents and methods
51	20030828	167	US 20030161809 A1	Compositions and methods for the transport of biologically active agents across cellular barriers
52	20030821	41	US 20030157679 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
53	20030814	159	US 20030152926 A1	Novel methods of diagnosis of angiogenesis, compositions and methods of screening for angiogenesis modulators
54	20030731	44	US 20030143690 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
55	20030731	90	US 20030143656 A1	Protein kinase regulation
56	20030724	460	US 20030138432 A1	Selective cellular targeting: multifunctional delivery vehicles, multifunctional prodrugs, use as antineoplastic drugs
57	20030717	53	US 20030134319 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof



	Issue Date	Pages	Document ID	Title
58	20030626	156	US 20030119037 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
59	20030619	61	US 20030114382 A1	Glycogen synthase kinase function in endothelial cells
60	20030619	24	US 20030113762 A1	Gleason grade 4/5 prostate cancer genes
61	20030508	61	US 20030087411 A1	Death associated kinase containing ankyr in repeats (DAKAR) and methods of use
62	20030313	222	US 20030050230 A1	STE20-RELATED PROTEIN KINASES
63	20030313	81	US 20030049795 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
64	20030306	31	US 20030044946 A1	Genes, mutations, and drugs that increase cellular resistance to damage and extend longevity in organisms from yeast to humans
65	20030227	28	US 20030039957 A1	Functional protein expression for rapid cell-free phenotyping
66	20030206	185	US 20030027307 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
67	20030130	38	US 20030022898 A1	Methods of treating inflammatory and immune diseases using inhibitors of IkappaB kinase (IKK)
68	20030130	89	US 20030022341 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof

	Issue Date	Pages	Document ID	Title
69	20030130	207	US 20030022340 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
70	20030130	53	US 20030022337 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
71	20030130	65	US 20030022284 A1	Uses of GDNF and GDNF receptor
72	20030130	41	US 20030022232 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
73	20030130	32	US 20030021750 A1	Novel functional agents for magnetic resonance imaging
74	20030102	20	US 20030003559 A1	Cell volume-regulated human kinase h-sgk
75	20021114	71	US 20020169289 A1	Isolated human Ras-like proteins, nucleic acid molecules encoding these human Ras-like proteins, and uses thereof
76	20021024	40	US 20020156257 A1	Isolated human Ras-like proteins, nucleic acid molecules encoding these human Ras-like proteins, and uses thereof
77	20021010	50	US 20020146795 A1	Isolated human Ras-like proteins, nucleic acid molecules encoding these human Ras-like proteins, and uses thereof

78	20021010	58	US 20020146758 A1	Isolated human ras-like proteins, nucleic acid molecules encoding these human ras-like proteins, and uses thereof
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	Issue Date	Pages	Document ID	Title
79	20021003	54	US 20020142431 A1	Isolated human Ras-like proteins, nucleic acid molecules encoding these human Ras-like proteins, and uses thereof
80	20021003	70	US 20020142382 A1	Isolated human Ras-like proteins, nucleic acid molecules encoding these human Ras-like proteins, and uses thereof
81	20021003	42	US 20020142380 A1	Isolated human ras-like proteins, nucleic acid molecules encoding these human ras-like proteins, and uses thereof
82	20020919	89	US 20020132325 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
83	20020919	184	US 20020132322 A1	ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES THEREOF
84	20020919	106	US 20020132291 A1	Isolated human Ras-like proteins, nucleic acid molecules encoding these human Ras-like proteins, and uses thereof
85	20020912	174	US 20020127683 A1	ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES THEREOF
86	20020829	42	US 20020119920 A1	Isolated human Ras-like proteins, nucleic acid molecules encoding these human Ras-like proteins, and uses thereof

	Issue Date	Pages	Document ID	Title
87	20020829	53	US 20020119548 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
88	20020822	44	US 20020115172 A1	Isolated human ras-like proteins, nucleic acid molecules encoding these human ras-like proteins, and uses thereof
89	20020822	114	US 20020115171 A1	Isolated human Ras-like proteins, nucleic acid molecules encoding these human Ras-like proteins, and uses thereof
90	20020627	320	US 20020082189 A1	ISOLATED HUMAN SERINE/THREONINE KINASE NUCLEIC ACID MOLECULES ENCODING HUMAN SERINE/THREONINE KINASE AND USES THEREOF
91	20020620	52	US 20020076783 A1	Plants and plants cells expressing histidine tagged intimin
92	20020530	203	US 20020064855 A1	Genes that regulate hematopoietic blood forming stem cells and uses thereof
93	20020530	44	US 20020064843 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
94	20020411	62	US 20020042926 A1	Ovary-specific genes and proteins
95	20020228	172	US 20020026052 A1	3-cyanoquinolines, 3-cyano-1,6-naphthyridines, and 3-cyano-1,7-naphthyridines as protein kinase inhibitors
96	20011004	15	US 20010027184 A1	Serine/threonine protein kinase (H-SGK2)

	Issue Date	Pages	Document ID	Title
97	20041123	179	US 6821765 B2	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
98	20041005	29	US 6801860 B1	Crystal structure of cPLA2 and methods of identifying agonists and antagonists using same
99	20040928	17	US 6797510 B1	Human kinases and polynucleotides encoding the same
100	20040810	68	US 6773904 B2	Isolated human Ras-like proteins, nucleic acid molecules encoding these human Ras-like proteins, and uses thereof
101	20040601	61	US 6743904 B2	Isolated human Ras-like proteins, nucleic acid molecules encoding these human Ras-like proteins, and uses thereof
102	20040525	81	US 6740513 B2	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
103	20040511	43	US 6733992 B2	Isolated human Ras-like proteins, nucleic acid molecules encoding these human Ras-like proteins, and uses thereof
104	20040511	50	US 6733978 B2	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
105	20040316	106	US 6706511 B2	Isolated human kinase proteins
106	20040316	85	US 6706510 B2	Isolated human kinase proteins
107	20040217	66	US 6692948 B2	Isolated human kinase proteins

	Issue Date	Pages	Document ID	Title
108	20040210	140	US 6689772 B1	3-cyanoquinolines, 3-cyano-1,6-naphthyridines, and 3-cyano-1,7-naphthyridines as protein kinase inhibitors
109	20040203	50	US 6686176 B2	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
110	20040120	202	US 6680188 B2	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
111	20040120	249	US 6680170 B2	Polynucleotides encoding STE20-related protein kinases and methods of use
112	20040106	31	US 6673333 B1	Functional MRI agents for cancer imaging
113	20031216	81	US 6664085 B2	Isolated human calcium/calmodulin (CaMk) dependent kinase proteins
114	20031202	248	US 6656716 B1	Polypeptide fragments of human PAK5 protein kinase
115	20031125	180	US 6653117 B2	Isolated human kinase proteins
116	20031028	78	US 6638745 B1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
117	20031021	31	US 6635802 B1	Nuclear transfer using cells cultured in serum starvation media containing apoptosis inhibitors
118	20031007	50	US 6630337 B2	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof

	Issue Date	Pages	Document ID	Title
119	20030909	46	US 6617117 B1	MAP kinases: polypeptides, polynucleotides and uses thereof
120	20030812	18	US 6605589 B1	Cathepsin inhibitors in cancer treatment
121	20030701	95	US 6586185 B2	Use of polypeptides or nucleic acids for the diagnosis or treatment of skin disorders and wound healing and for the identification of pharmacologically active substances
122	20030429	41	US 6555352 B2	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
123	20030218	159	US 6521618 B2	3-cyanoquinolines, 3-cyano-1,6-naphthyridines, and 3-cyano-1,7-naphthyridines as protein kinase inhibitors
124	20030218	18	US 6521456 B1	Cellular transport system for the transfer of a nucleic acid through the nuclear envelope and methods thereof
125	20030128	80	US 6511800 B1	Methods of treating nitric oxide and cytokine mediated disorders
126	20030107	62	US 6504007 B1	GDNF receptor
127	20021231	86	US 6500656 B1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
128	20021217	38	US 6495588 B2	Scytonemin and methods of using thereof
129	20021217	28	US 6495586 B2	Scytonemin and methods of using thereof



	Issue Date	Pages	Document ID	Title
130	20021210	107	US 6492156 B1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
131	20021210	180	US 6492155 B2	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
132	20021119	46	US 6482935 B1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
133	20021112	202	US 6479269 B2	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
134	20020924	50	US 6455291 B1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
135	20020910	22	US 6448086 B1	Insulin-like growth factor system and cancer
136	20020709	18	US 6416759 B1	Antiproliferative Sgk reagents and methods
137	20020611	82	US 6403353 B1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
138	20020514	85	US 6387677 B1	Nucleic acid molecules encoding human calcium/calmodulin (CaMK) dependent kinase proteins
139	20020122	88	US 6340583 B1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof

	Issue Date	Pages	Document ID	Title
140	20011218	87	US 6331396 B1	Arrays for identifying agents which mimic or inhibit the activity of interferons
141	20011204	19	US 6326181 B1	Cell volume-regulated human kinase h-sgk
142	20010227	34	US 6194187 B1	Apoptosis-inducing protein and gene encoding the same
143	19990608	69	US 5910426 A	Protein tyrosine kinase
144	19981222	67	US 5852184 A	Protein tyrosine kinase
145	19981013	71	US 5821069 A	Method for determining tyrosine kinase in a sample
146	19980210	68	US 5716818 A	Protein tyrosine kinase
147	19970819	70	US 5658791 A	Antibodies which specifically bind to proteins having tyrosine kinase activity, wherein said proteins have more than one tyrosine kinase domain, and no SH2 domains

	Issue Date	Pages	Document ID	Title
1	20041014	43	US 20040203127 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
2	20040722	89	US 20040142366 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
3	20040715	111	US 20040137499 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
4	20040701	320	US 20040126861 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
5	20040219	324	US 20040033495 A1	Methods of diagnosis of angiogenesis, compositions and methods of screening for angiogenesis modulators
6	20031218	111	US 20030232408 A1	ISOLATED HUMAN KINASE PROTEINS
7	20031113	136	US 20030211093 A1	Human kinases
8	20030821	41	US 20030157679 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
9	20030814	159	US 20030152926 A1	Novel methods of diagnosis of angiogenesis, compositions and methods of screening for angiogenesis modulators

	Issue Date	Pages	Document ID	Title
10	20030130	89	US 20030022341 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
11	20030130	41	US 20030022232 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
12	20020627	320	US 20020082189 A1	ISOLATED HUMAN SERINE/THREONINE KINASE NUCLEIC ACID MOLECULES ENCODING HUMAN SERINE/THREONINE KINASE AND USES THEREOF
13	20040316	106	US 6706511 B2	Isolated human kinase proteins
14	20040316	85	US 6706510 B2	Isolated human kinase proteins
15	20021231	86	US 6500656 B1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
16	20021210	107	US 6492156 B1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
17	20021119	46	US 6482935 B1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
18	20011218	87	US 6331396 B1	Arrays for identifying agents which mimic or inhibit the activity of interferons